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UNITED STATES DEPARTMENT OF AGRICULTURE  
Weather Bureau—Bureau of Agricultural Economics

REPORT OF WEATHER AND CROP CONDITIONS IN MONTANA  
For the Week Ending Tuesday, July 7, 1936.

Issued jointly by the Division of Crop and Livestock Estimates and the Weather Bureau.  
Offices: Fourth Floor, Federal Office Building, Helena, Montana.

ANOTHER WEEK WITH EXTREMELY HIGH TEMPERATURES, SCORCHING WINDS, AND WITHOUT APPRECIABLE RAINFALL INCREASED IMMEASURABLY THE SERIOUSNESS OF THE DROUTH SITUATION IN THE STATE AS AFFECTING THE CONDITION OF DRYLAND CROPS, RANGES, AND LIVESTOCK. DRYLAND CROPS, RANGES, AND PASTURES IN MOST OF THE AREA EAST OF THE DIVIDE DETERIORATED RAPIDLY UNDER THE WITHERING HEAT RESULTING FROM FOUR TO SIX DAYS WITH TEMPERATURES EXCEEDING 100 DEGREES, AND REACHING AN EXTREME OF 113 DEGREES AT GLENDIVE ON THE 5TH. WEST OF THE DIVIDE AND IN A FEW CENTRAL DISTRICTS, DRYLAND CROPS HELD UP AND MADE FAIRLY SATISFACTORY GROWTH, ALTHOUGH BY THE END OF THE WEEK WERE BADLY IN NEED OF RAIN. IRRIGATED CROPS MADE FAIR TO GOOD GROWTH GENERALLY THROUGHOUT THE STATE. IN SOME AREAS A SHORT SUPPLY OF WATER PRECLUDED THE POSSIBILITY OF MATURING A CROP, AND RESULTED IN CUTTING SOME GRAIN FOR HAY.

HAYING ADVANCED FAVORABLY. THE FIRST CUTTING OF ALFALFA HAS BEEN COMPLETED, AND THE SECOND CROP IS COMING ALONG RAPIDLY IN THE WEST BUT DOING POORLY OR NOT GROWING IN THE EAST. THE HAY CROP IS SHORT EAST OF THE DIVIDE WITH NO DRYLAND HAY TO PUT UP IN THE SOUTHEAST. WEATHER CONDITIONS WERE FAVORABLE FOR POISONING INSECTS, AND CONSIDERABLE EFFORT WAS MADE TO CONTROL THEM WHERE INFESTATIONS WERE BAD, POISON AVAILABLE, AND CROPS CONSIDERED WORTH SAVING. HEAVIEST GRASSHOPPER AND CRICKET DAMAGE CONTINUED TO BE CONFINED TO CENTRAL AND SOUTHEASTERN DISTRICTS.

WINTER WHEAT, NEVER VERY GOOD AT ANY TIME THIS SEASON, FURTHER DETERIORATED EAST OF THE DIVIDE. EARLIEST FIELDS CONTINUED TO RIPEN RAPIDLY, BUT THE EXTREME HEAT WAS DETRIMENTAL FOR LATE FILLING. SOME GOOD WINTER WHEAT IS REPORTED WEST OF THE DIVIDE. SPRING WHEAT SUFFERED SEVERELY OVER EASTERN AND MOST OF THE CENTRAL DISTRICTS, AND THE GREATER PART HAS NOW BEEN ABANDONED OR REDUCED TO A STATE WHERE IT WILL NOT MAKE MUCH OF A CROP EVEN WITH GOOD RAINS. SOME HAS BEEN CUT FOR HAY AND SOME USED FOR PASTURAGE. FEW FIELDS STILL GROWING IN THE EXTREME EAST WILL LIKELY RETURN THE FARMER NO MORE THAN HIS SEED. CORN HAS STOOD UP AND WITH A LITTLE MOISTURE NOW WOULD PROBABLY YIELD A FAIR AMOUNT OF FODDER. LATE FEED CROPS WERE DAMAGED BY THE HEAT, BUT MAY RECOVER IF RAINS FALL SOON. BEETS, POTATOES, AND GARDENS UNDER CULTIVATION ARE DOING WELL, ALTHOUGH WEB-WORMS HAVE BEEN HIGHLY DESTRUCTIVE IN SOME SCATTERED AREAS.

ALL BUT THE HIGHER AND MORE WESTERN RANGES STOPPED GROWING OR BURNED DURING THE PAST WEEK. LITTLE GRASS IS LEFT IN MUCH OF THE EASTERN SECTION, AND WATER IN SOME OF THIS AREA IS SHORT AND GOING FAST. THE OUTLOOK FOR WINTER FEED IN THE EAST CONTINUES EXTREMELY POOR.

LIVESTOCK CONTINUED IN MOSTLY GOOD CONDITION IN THE WEST, BUT WERE BEGINNING TO SHRINK IN INCREASING NUMBERS IN THE EAST AS ADDITIONAL FEED AREAS FAILED. FURTHER REDUCTION OF LIVESTOCK CONTINUED, OR IS BEING CONTEMPLATED, FROM THE DROUTH AREAS. MOST REDUCTION SO FAR HAS BEEN BY OUTRIGHT SELLING, ALTHOUGH SOME STOCKMEN HAVE CHOSEN TO MOVE THEIR STOCK TO OTHER FEED LANDS WITHIN OR OUTSIDE OF THE STATE.

WEEKLY TEMPERATURE AND PRECIPITATION DATA

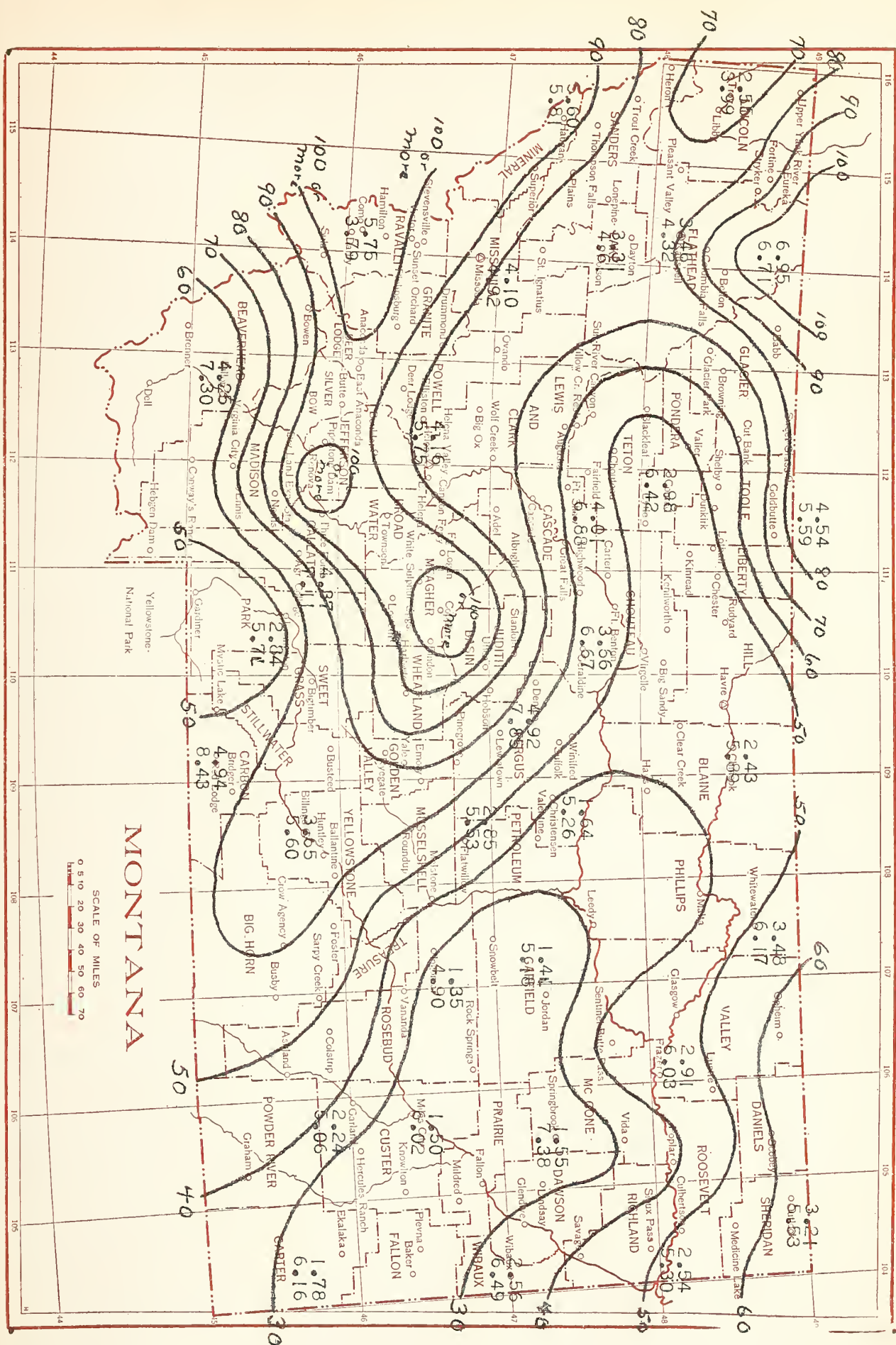
STATION:	TEMPERATURE		TOTAL PRECIPITATION		PERCENT OF POSSIBLE SUNSHINE.
	HIGHEST	LOWEST	THIS WEEK.	SINCE APR. 1	
BILLINGS .....	102	58	0.01	3.66	*
BOZEMAN .....	93	49	0.02	4.39	*
CUT BANK .....	93	51	0.01	3.38	*
GLASGOW .....	108	43	T	3.31	*
GLENDIVE .....	113	51	0.01	2.57	*
GREAT FALLS .....	98	53	0.03	4.04	*
HAVRE .....	102	52	0.02	2.45	88
HELENA .....	94	54	0.02	4.18	89
KALISPELL .....	92	46	0.02	3.48	84
LEWISTOWN .....	99	46	0.51	5.43	*
MALTA .....	107	48	0.08	2.24	*
MILES CITY .....	108	54	0.00	1.50	92
MISSOULA .....	98	52	0.01	4.11	80
POPLAR .....	108	47	T	2.22	*

W. E. MAUGHAN, WEATHER BUREAU.

JAY G. DIAMOND, DIVISION OF CROP AND LIVESTOCK  
ESTIMATES.







This map shows the percentage of normal precipitation that has occurred in Montana during the first three months, April, May, and June, of the 1936 crop growing season.

The upper of each typed pair of figures indicates the actual amount of precipitation that occurred in that respective area during April, May, and June; the lower figure indicates the normal amount of precipitation for the same area and period.





THE FOLLOWING COUNTY SUMMARIES OF CROP CONDITIONS FOR WEEK ENDING JULY 4, 1936, ARE FURNISHED THROUGH THE COURTESY OF DIRECTOR J. C. TAYLOR, MONTANA STATE EXTENSION SERVICE.

**BEAVERHEAD:** PRECIPITATION, NONE; WEATHER HOT AND DRY, WITH SOME HOT WINDS. SOME SECTIONS OF RANGES STARTING TO BURN. IRRIGATING WATER VERY LOW; OUT-LOOK NOT SO GOOD FOR SECOND CROP OF ALFALFA IN BEAVERHEAD AND RED ROCK VALLEYS; BIG HOLE SECTION REPORTS GOOD CROP OF HAY. SHEARING NEARING COMPLETION; WOOL SALES SLOWED UP PAST WEEK. CONTINUED POISONING OF HOPPERS; SUGAR BEET WEB WORMS DOING SOME DAMAGE TO GARDENS AND PEAS.

**BIG HORN:** NO PRECIPITATION. CONTINUED HOT AND DRY WEATHER PREVAILED DURING THE WEEK. CROPS GOING DOWN FROM THE EFFECTS OF WEATHER, GRASSHOPPERS AND CRICKETS. RANGE IS BEING DEPLETED AND LIVESTOCK MOVING TO MARKET. VALLEY CROPS FAIR. HAY CROP SHORT. BEETS MAKING GOOD GROWTH AFTER A BAD START. IRRIGATION WATER SHORT IN PLACES. WORK WILL HAVE TO BE PROVIDED FOR FARMERS WHO ARE DRIED OUT.

**BLAINE:** NO PRECIPITATION. FOREPART OF THE WEEK TEMPERATURES WERE MODERATE, WITH HIGH TEMPERATURES DURING THE LAST FEW DAYS. GROWING CONDITIONS VERY POOR DUE TO THE DRY WEATHER. ALL CROPS ON DRY LAND HAVE RAPIDLY DETERIORATED DURING THE PAST WEEK DUE TO DROUTH, GRASSHOPPERS AND HIGH TEMPERATURES. CROPS ON IRRIGATED LAND ARE ONLY FAIR. SOME WORM DAMAGE HAS BEEN DONE TO SUGAR BEETS. SEVERAL BEET GROWERS HAVE ABANDONED THEIR BEET ACREAGE DUE TO POOR STAND, WEEDS AND INSECT DAMAGE. FIRST CUTTING OF ALFALFA COMPLETED, WITH ONLY ABOUT A 50 PER CENT CROP. SOME HOPPER POISON HAS BEEN SPREAD DURING THE PAST WEEK, BUT MANY FARMERS FEEL THAT IT IS NOT WORTH WHILE TO SPREAD POISON AS THERE IS PRACTICALLY NO CROP OR HAY TO SAVE. THE MAJORITY OF THE LIVESTOCK IN ABOUT THE SAME CONDITION AS LAST WEEK EXCEPT THAT SOME LOSS OF FLESH IS NOTED. A FEW CARS OF STOCK HAVE BEEN SHIPPED TO MARKET, BUT THE MAJORITY OF STOCKMEN WILL BE IN A POSITION TO HOLD THEIR STOCK FOR A FEW WEEKS LONGER UNDER PRESENT WEATHER CONDITIONS.

**CARBON:** VERY LITTLE OR NO PRECIPITATION DURING THE WEEK; VERY HOT AND DRY. HOT WINDS THE LATTER PART OF THE WEEK. WATER SUPPLY FAIRLY PLENTIFUL. HOPPER POISONING CAMPAIGN CONTINUES. ALL FIRST CUTTINGS OF HAY ARE IN THE STACK; HAVE BEEN CUT EARLIER ON ACCOUNT OF THE HOPPER SITUATION. LITTLE HOPE OF A SECOND CUTTING, UNLESS THE HOPPER MENACE ABATES SOMEWHAT IN THE NEAR FUTURE IN SOME SECTIONS. ALL WHEAT AND OAT CROPS HEADED OUT AND SOME GOOD WINTER WHEAT CROPS ARE REPORTED IN CERTAIN AREAS WHERE THE DROUTH HAS NOT BEEN SO SEVERE. A LARGE VOLUME OF LIVESTOCK HAS BEEN TRUCKED TO MARKET DURING THE PAST WEEK.

**CASCADE:** HOT SCORCHING WINDS CONTINUE TO DEplete CROP PROSPECTS IN CASCADE COUNTY. SPRING WHEAT IS PRACTICALLY ALL BURNT UP AND THE FEW REMAINING FIELDS OF WINTER WHEAT ARE SUFFERING FROM LACK OF MOISTURE. RANGES ARE DRYING UP RAPIDLY AND A MOVE OF LIVESTOCK WILL PROBABLY START SOON. DAMAGE BY GRASSHOPPERS AND MORMON CRICKETS IN PRAIRIE AREAS. FARMERS ARE SUCCESSFULLY PROTECTING THE SMALL PER CENT OF CROPS THAT ARE LEFT. PROSPECTS FOR CROPS ON IRRIGATED LAND CONTINUES TO LOOK FAVORABLE. THE SUGAR BEET WEB-WORM STARTED DOING DAMAGE TO GARDENS AND SOME FIELD CROPS DURING THE PAST WEEK. LIVESTOCK ARE STILL IN FAIRLY GOOD CONDITION AND CAN BE MOVED TO MARKET WITHOUT DEATH LOSS IF HANDLED WITHIN THE NEXT FIFTEEN DAYS.

**CHOUTEAU:** SUB-SOIL AND SURFACE MOISTURE ARE VERY DEFICIENT. VERY DOUBTFUL IF ANY SPRING WHEAT WILL BE HARVESTED FOR GRAIN THIS YEAR. EVEN WITH GOOD RAINS, FARMERS IN THE SPRING WHEAT AREAS WOULD PROBABLY NOT MORE THAN GET THEIR SEED. WINTER WHEAT FARMERS WILL NOT HARVEST 10% NORMAL CROPS. RECENT DAYS OF HEAT HAVE COMPLETELY DESTROYED THE RANGE AND LIVESTOCK IS NOW BEING SHIPPED AND BEING TURNED INTO WINTER FEED SUPPLIES.

**CUSTER & POWDER RIVER:** NO PRECIPITATION. TEMPERATURES 106 TO 54. DRYLAND CROPS ARE COMPLETE FAILURES. HAYING FINISHED. YIELDS AVERAGED ABOUT ONE HALF TON, BUT ONLY UNDER FLOOD IRRIGATION PROJECTS. DRYLAND HAY FAILED. CATTLE MOVING OUT TO MARKET IN FAIR VOLUME, BUT ORDERLY. NO SHRINKAGE NOTICED YET, BUT CAN BE EXPECTED. GRASS AND WATER IS GOING FAST IN SOME SECTIONS. SOME SHEEP OUTFITS ON THE MOVE TO MARKET NOW.

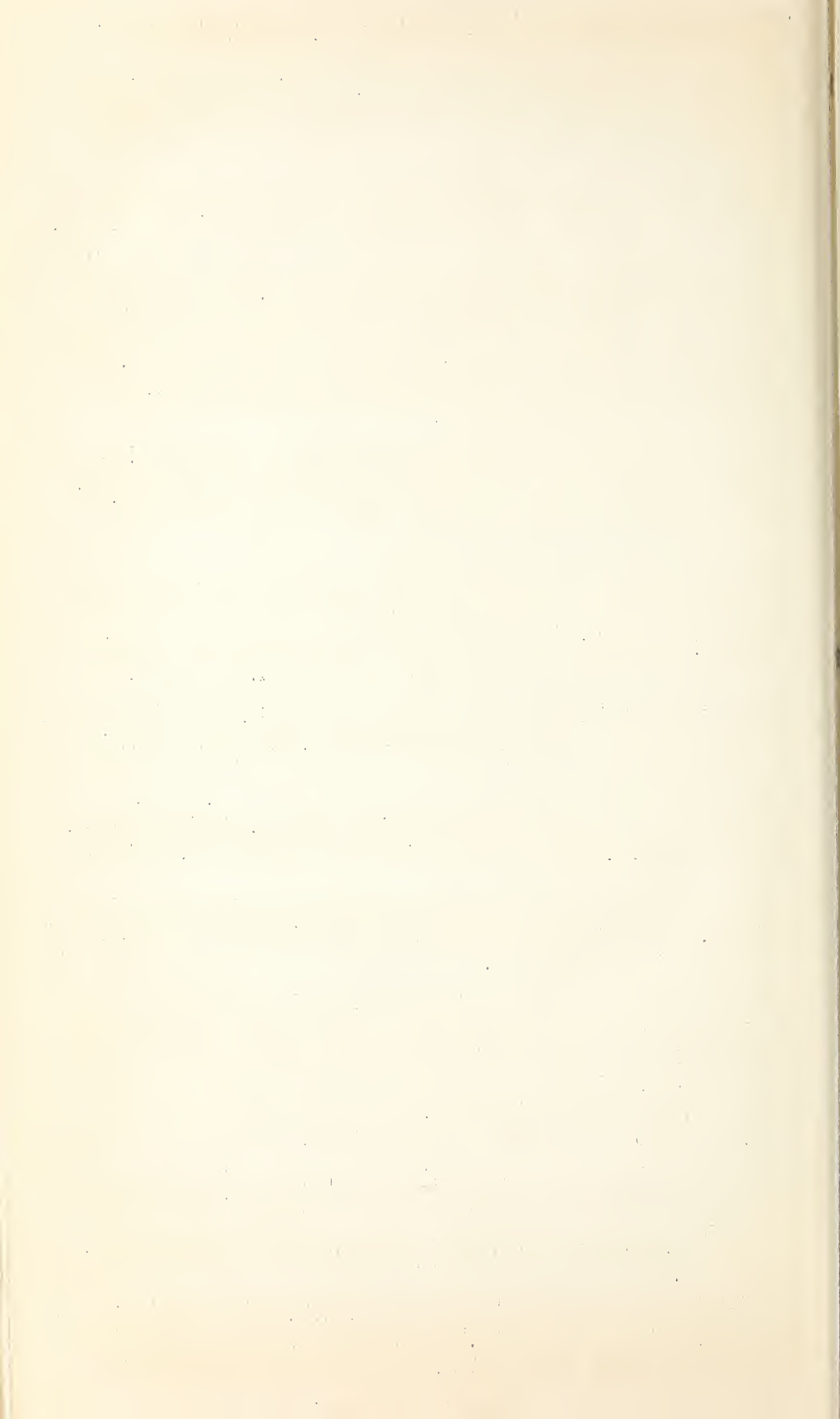
**DANIELS:** CONTINUED DRY WEATHER; HOT WINDS; GRAIN WITHERING UP. CROP CONDITIONS POOR; VERY LITTLE GRAIN CAN MAKE A CROP EVEN WITH IMMEDIATE RAINS. CONTINUED DROUTH FAST KILLING CHANCES OF WHEAT MAKING FEED. VERY LITTLE INSECT DAMAGE REPORTED. CUT WORMS TOOK ISOLATED FIELDS. GRASS DRYING UP AND GETTING SHORT. CATTLE BEGINNING TO LOSE WEIGHT. SOME FARMERS TURNING STOCK IN ON GRAIN FIELDS. SERIOUS FEED SHORTAGE THREATENING.

**DAWSON:** SOMEWHAT COOLER DURING WEEK, AND CONTINUED DRY. CONSIDERABLE AREAS OF CROPS HAVE BEEN ABANDONED AND STOCK TURNED IN, LARGELY TO CONSERVE GRASS FOR LATER USE. SCATTERED FIELDS AND MORE FAVORED AREAS STILL HAVE A CHANCE OF PROVIDING FEED OR SEED. CORN FIELDS, WHICH GENERALLY SHOW VERY SPOTTED STANDS AND GROWTH, ARE BEING CULTIVATED IN CONSIDERABLE NUMBERS, AND SHOW POSSIBILITY OF FEED. A FEW SPRING FLOOD ED ALFALFA FIELDS ARE YIELDING HAY OF GOOD QUALITY; THE TOTAL TONNAGE WILL BE SMALL. GRASS, EXCEPT THE LOWER ALTITUDES WHERE IT IS GONE, IS STILL YIELDING SATISFACTORY AMOUNTS OF FEED, AND STOCK GENERALLY HOLDING UP IN RATHER GOOD CONDITION. THE WHOLE SITUATION, HOWEVER, IS SPOTTY, BUT THE BULK OF THE STOCK, PARTICULARLY CATTLE, IS NOT IN AN IMMEDIATELY CRITICAL SITUATION. SOME OF THE SHEEP RANGES ARE BORDERING ON THE CRITICAL SIDE. FOR THE COUNTY AS A WHOLE, THE WATER SITUATION IS NOT A PROBLEM YET. GRASSHOPPERS ARE DOING DAMAGE IN SCATTERED AREAS.

**FALLON & CARTER:** EXTREMELY HOT DAYS, WITH HIGH SCORCHING WINDS. FARM LAND BLOWING THROUGHOUT BOTH COUNTIES DUE TO WIND. PRACTICALLY ALL CROPS ABANDONED AS FAR AS GRAIN PRODUCTION OR HAY PRODUCTION IS CONCERNED. GRASSHOPPERS IN IMMENSE NUMBERS DESTROYING WHAT RANGE AND CROP IS LEFT. STOCKMEN MOVING LIVESTOCK RAPIDLY. A GOOD PORTION OF SOUTHERN CARTER COUNTY STOCK LEAVING FOR MARKET OR FOR AUCTION SALES IN BLACK HILLS OR TO PASTURE IN NEBRASKA OR THE SOUTHEASTERN PART OF SOUTH DAKOTA. A FEW BUYERS PICKING UP SMALL QUANTITIES OF BETTER QUALITY STOCK. GRASS SITUATION DESPERATE IN MOST LOCALITIES DUE TO EXTREME DROUTH AND GRASSHOPPER INFESTATION.

**FERGUS:** CROPS EAST OF LINE RUNNING NORTH AND SOUTH BETWEEN WINIFRED, HILGER, AND LEWISTOWN ARE ALMOST ENTIRELY GONE AT THIS TIME. DROUTH HAS CAUSED CONSIDERABLE DAMAGE AND ADDITIONAL DAMAGE IS BEING CAUSED DAILY BY HOPPERS. THE FIRST CUTTING OF ALFALFA HAY HAS BEEN PUT UP. THERE PROBABLY WILL NOT BE ANY SECOND CUTTING DUE TO GRASSHOPPER CONDITION EVEN IF RAINS WOULD COME AND REVIVE THE GROWTH. HAY CROP WAS NOT MORE THAN 25% OF LAST YEAR. IN THE AREA WEST OF THE LINE MENTIONED

(CONTINUED ON PAGE 2.)





**FERGUS: (CONT'D.)** ABOVE THERE IS A POSSIBILITY OF FEED ENOUGH FOR LIVESTOCK WITH THE EXCEPTION OF THE AREA BETWEEN WINIFRED AND THE JUDITH RIVER. WHEAT IN THE WEST PART OF COUNTY UP UNTIL ONE WEEK AGO WAS MAKING RATHER SATISFACTORY DEVELOPMENT, BUT SINCE THAT TIME HAS BEEN SEVERELY DAMAGED BY DROUTH. LIVESTOCK IN EASTERN PART OF THE COUNTY ARE BEGINNING TO MOVE OUT VERY RAPIDLY. CATTLE SITUATION IS NOT QUITE AS SERIOUS AS SHEEP, BECAUSE COWS AND CALVES CAN GO TO MARKET AND BRING SOME PRICE. THE EWES AND LAMBS ARE THE BIG PROBLEM BECAUSE THE LAMBS ARE NOT LARGE ENOUGH TO COMMAND A MARKET VALUE. WATER AND GRASS ARE PRACTICALLY EXHAUSTED FOR BOTH SHEEP AND CATTLE. CONSERVATIVE ESTIMATE, IT APPEARS THAT 75 TO 85% OF THE LIVESTOCK EAST OF LEWISTOWN WILL HAVE TO BE SHIPPED TO MARKET OR MOVED TO GRASS.

**FLATHEAD:** NO PRECIPITATION. GENERALLY, IT HAS BEEN VERY HOT THE PAST WEEK. CROP CONDITIONS ARE, IN GENERAL, QUITE FAIR, ALTHOUGH A GENERAL RAIN IS NEEDED TO MAKE A GOOD CROP. LIVESTOCK DOING WELL.

**GARFIELD & PETROLEUM:** EXCEPTIONALLY HOT WINDS AND GENERALLY HOT WEATHER HAVE PREVAILED. GROWING CONDITIONS POOR. A FEW REMAINING CROPS WITHIN THE COUNTY ARE BEING HARVESTED FOR FEED TO SAVE THEM FROM HOPPERS. A FEW MOVEMENTS OF LIVESTOCK ARE BEING MADE WITHIN THE COUNTIES, HOWEVER, IT IS THE GENERAL OPINION THAT VERY MUCH LIVESTOCK WILL NOT NEED TO BE MOVED VERY SOON.

**GLACIER:** EXTREME HEAT, HIGH WINDS, AND GENERAL DRYNESS CAUSED CROPS AND RANGE TO DETERIORATE DURING THE WEEK. AREA ALONG THE CANADIAN BORDER WILL YIELD AROUND 10 BUSHELLS OR BETTER WITH AVERAGE WEATHER. CONDITIONS IN SOUTHERN HALF OF COUNTY ARE WORSE; YIELDS MAY AVERAGE 5 BUSHELLS WITH A RANGE FROM 0 TO 12 BUSHELLS. WILD HAY HARVEST WILL BEGIN JUST AFTER THE 4TH AND WILL BE ABOUT HALF NORMAL CROP. GRASSHOPPERS BEGAN DOING DAMAGE IN SCATTERED LOCALITIES AND POISON IS NOW BEING PUT OUT IN THOSE LOCALITIES, WITH GOOD RESULTS. CRICKET DAMAGE MUCH LESS THAN LAST YEAR. LARGE DEMAND FOR IRRIGATION WATER ON TWO MEDICINE IRRIGATION PROJECT, WEST OF CUT BANK, AND DELIVERY OF WATER IS TWO WEEKS BEHIND REQUESTS DUE TO EXCESS OF ACREAGE OVER CANAL CAPACITY. PLENTY OF WATER AT SOURCE BUT CANAL CANNOT BRING IT DOWN FAST ENOUGH IN THIS DRY YEAR. ALL RIVERS ARE RUNNING LOWER THAN NORMAL AND SOUTH FORK OF MILK RIVER IS LOWEST SINCE 1919. LIVESTOCK WATER IS NOT CRITICALLY SHORT AS THIS COUNTY IS EXCELLENTLY WATERED BY THE STREAMS FLOWING OUT FROM THE GLACIER PARK ROCKIES. IRRIGATED ALFALFA HAYING ABOUT COMPLETED, WITH AVERAGE TO SHORT CROP. ALL LIVESTOCK IN GOOD CONDITION. NOT MUCH FORCED MARKETING ANTICIPATED.

**HILL:** CONTINUED HOT DRY WIND DURING THE PAST WEEK CAUSED FURTHER DETERIORATION IN CROPS AND RANGES. SITUATION BECOMING MORE ACUTE EVERY DAY. GRASSHOPPERS ARE SHOWING UP IN RESTRICTED AREAS AND CAUSING SOME DAMAGE. RANGES: WATER SUPPLIES STILL HOLDING, BUT SHOWING CONTINUAL SLOWING UP. LIVESTOCK IN FAIR CONDITION, WITH SOME MOVEMENTS STARTING TO MARKET. LABOR BALANCED.

**JUDITH BASIN:** HOT, WITH DRYING WINDS. GRAIN BEING CUT FOR HAY. LITTLE PROSPECT OF GRAIN CROP MATURING. HAY CROP ABOUT 25% OF NORMAL; NO PROSPECTS FOR A SECOND CROP. RANGE GRASS HAS QUIT GROWING AND IS RAPIDLY DRYING UP. RANGE CARRYING CAPACITY IS ONLY ABOUT 25% OF NORMAL. LIVESTOCK MOSTLY IN GOOD CONDITION AT THE PRESENT TIME. ABOUT 500 HEAD HAVE BEEN SHIPPED OUT ALREADY DUE TO GRASSHOPPER AND DROUTH DAMAGE OF THE RANGE. BREEDING HERDS WILL HAVE TO BE REDUCED BY 25% TO 35% OF NORMAL. GRASSHOPPER AND CRICKET DAMAGE INCREASING. ONE TOWNSHIP COMPLETELY WIPED OUT BY GRASSHOPPERS. W.P.A. PROJECT IN OPERATION.

**LAKE:** GOOD GROWING CONDITIONS FOLLOWING LAST WEEK'S RAINFALL. SPRING WHEAT LOOKS GOOD, WHILE WINTER WHEAT IS BELOW NORMAL ON ACCOUNT OF WINTER KILLING AND LACK OF EARLIER RAINS. BEETS AND PEAS CONTINUE TO SHOW UP WELL. THE FIRST CROP OF ALFALFA WAS DAMAGED SLIGHTLY BY RAINS. THE SECOND CROP IS DOING NICELY AND THERE IS PLENTY OF WATER TO KEEP IT COMING. PASTURES ARE FAIR. A FEW FARMERS HAVE SURPLUS PASTURE ACREAGES. NORMAL MARKET SHIPMENTS OF CATTLE. THERE IS A POSSIBILITY OF SUGAR BEET WEB-WORM BECOMING TROUBLESOME AFTER THE NEXT HATCH, BUT CRICKETS AND GRASSHOPPERS ARE NOT EXPECTED TO DO DAMAGE TO ANY LARGE EXTENT.

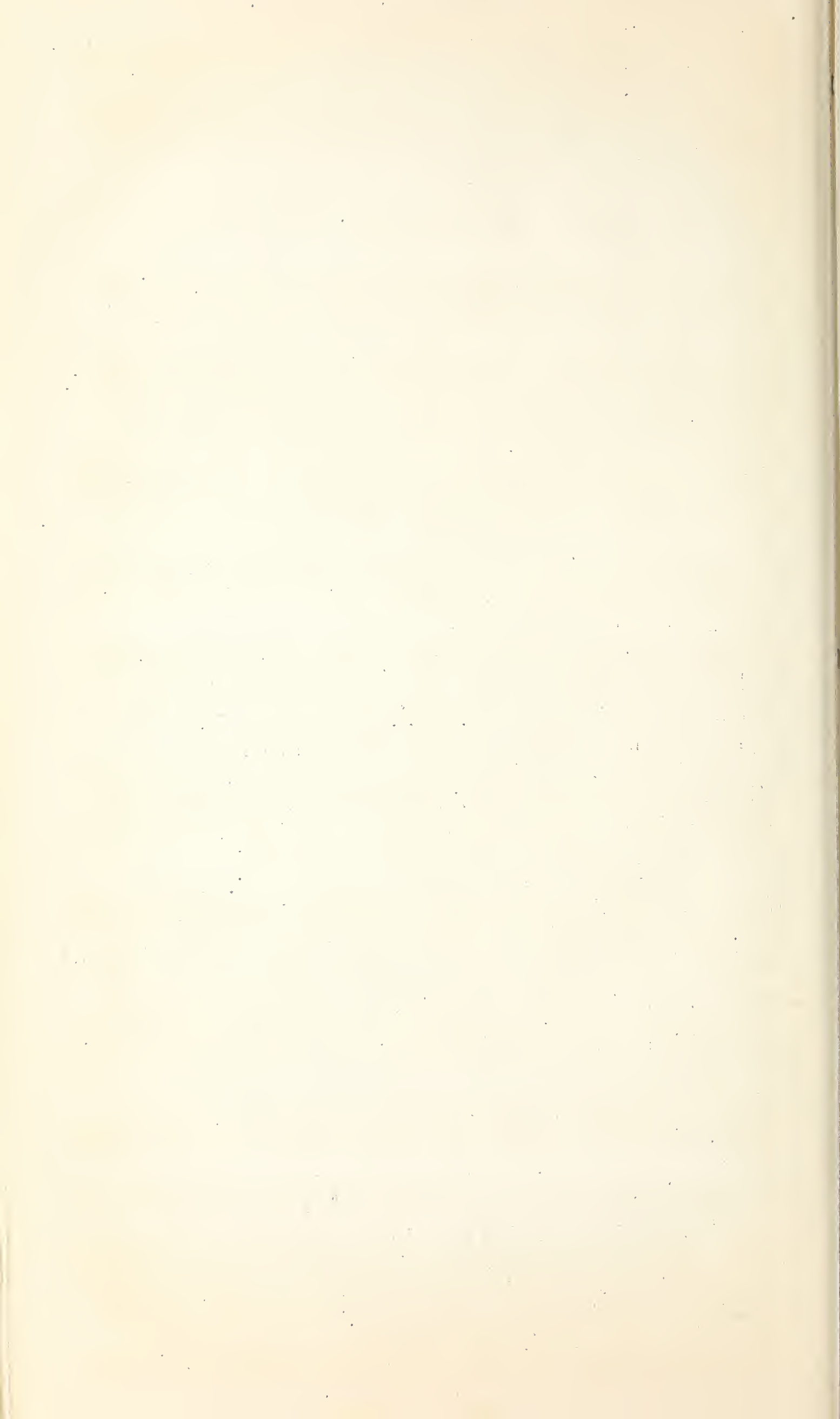
**LEWIS & CLARK - BROADWATER:** HAYING PROGRESSING SATISFACTORILY. GRASSHOPPERS CAUSING SOME DAMAGE TO GRASS AND CROPS. WEB-WORMS A DISTURBING FACTOR IN GARDENS. ONE CASE OF BLISTER BEETLE DAMAGE. MOISTURE NEEDED FOR DRYLAND CROPS AND GRASS. SHORTAGE OF IRRIGATION WATER IN ONE COMMUNITY IN NORTHERN PART OF LEWIS & CLARK COUNTY WILL CUT THE HAY YIELD SEVERELY AS COMPARED TO NORMAL YEARS. GRASSHOPPERS CAUSING CONSIDERABLE DAMAGE IN LOCALIZED COMMUNITIES. STOCK IN FAIR CONDITION WITH EXCEPTION OF SOME IN NORTHERN PART OF LEWIS & CLARK COUNTY.

**MISSOULA:** WARM AND DRY ALL WEEK. EXCELLENT GROWING CONDITIONS. HAYING IN FULL PROGRESS. YIELDS FAIR TO GOOD. WINTER GRAIN TURNING; SPRING GRAIN HEADED OUT. FAIR TO GOOD YIELDS ANTICIPATED. SUGAR BEETS MAKING GOOD GROWTH; FIRST CROP STRAWBERRIES COMPLETED. SOUR CHERRIES READY FOR MARKET; FAIR YIELDS. SOIL MOISTURE O.K. NOW, BUT MORE RAIN WILL BE NEEDED TO FILL SPRING GRAIN ON DRY LAND. EARLY RANGES DRIED UP. LATE RANGES GOOD. LIVESTOCK IN GOOD CONDITION. VERY LITTLE EXTRA RANGE AVAILABLE.

**GOLDEN VALLEY & MUSSELSHELL:** NO PRECIPITATION AND NO CROPS, DUE TO DROUTH AND GRASSHOPPERS. THE ONLY HARVEST IS THE FIRST CROP OF ALFALFA AND THAT VERY SHORT OF NORMAL, AND ONLY ON IRRIGATED LAND. LIVESTOCK SITUATION SERIOUS; WATER AND RANGE BOTH SHORT; BOTH CATTLE AND SHEEP BEING MOVED OUT OF COUNTIES.

**PARK:** NO RAIN IN THE PAST WEEK. HOT WINDS PREVAILING ALL OVER THE COUNTY. RAIN NEEDED. GRASSHOPPER SITUATION THE SAME. FIRST CUTTING OF HAY CROPS IS BELOW AVERAGE THIS YEAR.

**PHILLIPS:** CONTINUED DRY WEATHER WITH HOT WINDS; VERY UNFAVORABLE GROWING CONDITIONS. SURFACE AND SUBSOIL MOISTURE PRACTICALLY GONE. NO GRAIN CROPS ARE LEFT FOR HARVEST EXCEPT IN THE IRRIGATED SECTIONS. IN NORTHERN PART OF THE COUNTY THERE IS STILL HOPE FOR FEED IF IT RAINS, AND THERE MAY STILL BE A POSSIBILITY OF A LIGHT GRAIN CROP ON THE BEST SUMMERFALLOW. THE SOUTHERN PART OF THE COUNTY IS DRIED UP AND NO CHANCE OF A CROP EVEN UNDER FAVORABLE CONDITIONS FROM NOW ON. GRASSHOPPERS ARE BEGINNING TO MIGRATE AND ARE DAMAGING NEW AREAS, PARTICULARLY THE MILK RIVER VALLEY. CROPS IN THE IRRIGATED VALLEY ARE SPOTTED. HAY CROP IS BELOW NORMAL. LIVESTOCK IN THE SOUTHERN PART OF THE COUNTY ARE LOSING CONDITION; IN THE NORTH, CONDITION IS STILL MOSTLY GOOD. GRASS AND WATER GETTING EXTREMELY SHORT. STOCKMEN NOW LOOKING FOR NEW RANGE OR SERIOUSLY CONSIDERING SHIPPING TO MARKET.





**PONDERA:** WHEAT ON GOOD SUMMERFALLOW IS HOLDING ITS OWN FAIRLY WELL. MAY MAKE A 10 TO 12 BUSHEL CROP PROVIDING RAIN IS RECEIVED IN THE NEXT WEEK OR APPROXIMATELY 50% OF THE WHEAT LAND AND FEED CROPS, EXCLUSIVE OF THE IRRIGATED SECTIONS. GRASSHOPPER DAMAGE IS BEGINNING TO APPEAR DUE TO MATURITY OF HOPPERS AND FLIGHT HAVING STARTED. WAITING FOR RELIEF FROM W.P.A. PROJECT ON BRAN AND FOR OTHER MATERIALS. ON THE WHOLE, FEED CROPS CHIEFLY LIMITED TO THE IRRIGATED SECTIONS ARE IN FAIR SHAPE, BUT WATER WAS NOT APPLIED SOON ENOUGH EVEN THOUGH DITCHES WERE READY, BUT TWO DAYS OF BLASTING HEAT STARTED THE CURLING OF CROPS. ALFALFA SUPPLIES WILL BE JUST ENOUGH TO HANDLE LIVESTOCK IN THIS COUNTY THIS YEAR. ABOUT 4,000 TONS SHORT OF PRODUCTION AS OF 1935. THERE WILL BE NO SURPLUS HAY OR FEED FOR SALE, ACCORDING TO PRESENT APPEARANCES. NO FORCED MOVEMENT OF LIVESTOCK EXPECTED FOR AT LEAST TWO OR THREE MONTHS, DEPENDING UPON THE MATURITY OF CROPS AND GRAIN HAY. MANY ARE SAVING POORER CROPS OF WHEAT FOR GRAIN HAY.

**PRAIRIE:** HOT, DRY AND WINDY. NO PRECIPITATION. THERE WILL BE NO CROP, NOT EVEN FEED. GRASSHOPPERS AND BLISTER BEETLES ARE MOVING IN AND STRIPPING WHAT LITTLE FEED REMAINS IN THE COULEE BOTTOMS. LIVESTOCK ARE SHOWING THE EFFECTS OF THE DROUTH AND WATER SHORTAGE. SOME CATTLE HAVE BEEN MOVED TO EASTERN MARKETS.

**RICHLAND:** CONTINUED HOT AND DRY WEATHER THIS PAST WEEK. 75% OF THE GRAIN CROPS ARE TOO FAR GONE TO EVEN FURNISH ANY FEED FOR LIVESTOCK. CORN CROPS ARE SPOTTED BUT STANDING UP BETTER UNDER DROUTH CONDITIONS AND WITH BENEFICIAL RAINS THERE WOULD BE FAIR FEED SUPPLY. ON IRRIGATION, THE BLISTER BEETLES AND GRASSHOPPERS ARE CONTINUING THEIR DESTRUCTION OF CROPS. POISONING, BOTH THE BLISTER BEETLES AND GRASSHOPPERS, IS BEING CARRIED ON. THIS PAST WEEK SOME LIVESTOCK WERE MOVING FROM THE WESTERN PORTION OF THE COUNTY, MOST OF WHICH ARE BEING SOLD LOCALLY.

**ROOSEVELT:** NO PRECIPITATION, BUT WEATHER COOLER DURING PART OF WEEK. CROPS HAVE NOT DETERIORATED AS FAST AS DURING LAST WEEK OF JUNE. PROSPECTS INDICATE SOME GRAIN WILL BE HARVESTED, BUT HARVEST WILL BE LIGHT AND LIMITED TO SMALL AREAS. GRASSHOPPERS NUMEROUS, BUT ACTUAL DAMAGE SLIGHT. PASTURE CONDITIONS GETTING SERIOUS AND MOVEMENT OF CATTLE HAS STARTED. NO WINTER FEED IN SIGHT.

**ROSEBUD:** WEATHER WAS COOL FIRST OF WEEK, BUT HOT WINDS BLOWING THE PAST FEW DAYS. NO DRYLAND CROPS, AND IRRIGATED CROPS ARE BEING DAMAGED BY GRASSHOPPERS AND BLISTER BEETLES. CONDITIONS VERY SERIOUS. GRASS IN ALL RANGE AREAS PRACTICALLY GONE. SEVERAL HUNDRED HEAD OF CATTLE AND SHEEP ALREADY SHIPPED FROM COUNTY. FARMERS IN DRY LAND AREAS ARE LOOKING FOR WORK.

**SANDERS:** GROWING CONDITIONS VERY GOOD. ALL CROPS VERY GOOD, BUT RAIN NEEDED SOON ON ACCOUNT OF DRYING WEATHER. WINTER WHEAT STARTING TO RIPEN, WITH PROSPECTS FOR GOOD YIELD AND QUALITY. FIRST CUTTING ALFALFA MOSTLY IN STACK WITH YIELD ABOVE NORMAL. SECOND CUTTING COMING ON FAST. POTATOES AND GARDEN CROPS IN FINE CONDITION. LIVESTOCK IN FINE CONDITION. RANGE STOCK MOSTLY ON HIGH RANGE. SHORTAGE OF HARVEST LABOR.

**SHERIDAN:** CONTINUED DRY WITH ABOVE NORMAL WINDS; MOST CROPS AT A STANDSTILL EXCEPT SUMMERFALLOW. EACH DAY WITHOUT RAIN INCREASES THE PER CENT OF ABANDONMENT. LIVESTOCK MEN ARE WORRIED OVER SUPPLY OF FEED. ALTHOUGH 1935 STRAW SUPPLY WAS ABUNDANT, THE LONG FEEDING SEASON DURING THE PAST WINTER DEPLETED THIS SUPPLY 50 TO 75 PER CENT MORE THAN NORMAL. FARMERS ARE NOW ATTEMPTING TO MEET THE REQUIREMENTS OF THE NEW CONSERVATION PROGRAM BY DUCKFOOTING AND ONEWAYING GREEN MANURE. OTHERS ARE WAITING TO SEE IF THIS CROP MAY BE USED FOR FEED. A LARGER NUMBER OF FARMERS ARE TURNING LIVESTOCK TO PASTURE ON CROPS. GRASSHOPPER HATCHINGS ARE INCREASING IN NORTHEAST PART OF COUNTY.

**STILLWATER:** VERY LITTLE HOPE OF SAVING ANY DRYLAND GRAIN. FAIR PROSPECTS A WEEK TO TEN DAYS AGO IN SMALL AREA DAMAGED SO BADLY THAT EVEN A GOOD RAIN WOULD NOT SAVE THEM NOW. DRYLAND GRAIN BEING CUT FOR HAY OR PASTURED IN EFFORT TO GET SOME FEED. LIGHT FIRST CUTTING OF HAY IN IRRIGATED SECTIONS. POSSIBILITY OF SECOND CUTTING IF HOPPERS CAN BE CONTROLLED. BEETS MAKING GOOD GROWTH WHERE HOPPERS AND BLISTER BEETLES BEING POISONED. CONSIDERABLE MOVEMENT OF CATTLE TO MARKET AND SEVERAL BANDS OF SHEEP GOING OUT FOR PASTURE.

**SWEETGRASS:** IRRIGATION STREAMS ARE DEPLETING RAPIDLY. 90% OF ALL DRY LAND CROPS HAVE BEEN CUT FOR HAY AND ABOUT 10% OF IRRIGATED CROPS ARE NOW BEING HARVESTED FOR HAY. THE FIRST CUTTING OF ALFALFA IS NOW NEARING COMPLETION. LIVESTOCK CONDITIONS ARE POOR ON ACCOUNT OF SHORTAGE OF FEED ON THE LOWER RANGES. CATTLE AND SHEEP ARE NOW BEING TAKEN TO THE RESERVES. INSECT INFESTATION IS STILL DOING SERIOUS DAMAGE TO CROPS OF ALL KINDS.

**TETON:** EXTREMELY HIGH TEMPERATURES ACCOMPANIED BY HOT DRYING WINDS HAVE MADE GROWING CONDITIONS VERY POOR. CROPS HAVE DETERIORATED VERY FAST THIS PAST WEEK. APPROXIMATELY 70% OF COUNTY IS ABOUT 30% NORMAL. THE OTHER 30% OF COUNTY IS STILL ABOUT NORMAL AND IF WE GET GOOD RAINS WITHIN A WEEK THIS PORTION WILL HAVE A PRETTY FAIR CROP. THE RANGE HAS ALSO DETERIORATED VERY RAPIDLY. HOWEVER, THE WESTERN EDGE OF THE COUNTY UP NEXT TO THE MOUNTAINS IS STILL IN FAIR SHAPE. GRASSHOPPERS ALREADY DOING SOME DAMAGE TO CROPS IN RATHER LIMITED AREAS. FIRST CUTTING OF ALFALFA PRACTICALLY COMPLETED, WITH BELOW NORMAL CROP. LIVESTOCK BEING MOVED TO MARKET.

**TOOLE:** SOUTHERN SECTION OF COUNTY IN POOR SHAPE. LIVESTOCK BEING TURNED INTO SOME OF THE FIELDS AND FEED IS FAIR FOR THE PRESENT. EARLY SPRING GROWTH PROVIDING SUFFICIENT PASTURE, BUT SOME OPERATORS ARE FIGURING ON SHIPPING SOON, AS THEY CANNOT SEE ANY CERTAIN FEEDS FOR THE FALL AND WINTER. WITH THE EXCEPTION OF THE SWEETGRASS HILLS AREA, CROPS ARE BEGINNING TO TURN. GOOD SUMMERFALLOWED FIELDS ARE HOLDING UP WELL. SOME LIVESTOCK WILL HAVE TO BE SHIPPED WITHIN THE NEXT MONTH. THIS IS PARTICULARLY TRUE IN THE AREAS SOUTH OF THE MARIAS, WHERE CATTLE ARE NOW BEING TURNED INTO CROP LAND. THERE IS SUFFICIENT FORAGE FOR THE PRESENT TIME, BUT NO INDICATIONS OF SUITABLE RESERVE OR ENOUGH FEED TO CARRY THROUGH FOR ANY LENGTH OF TIME.





VALLEY: CROP CONDITIONS ARE VERY BAD. CROPS IN THE COUNTY ARE BEYOND RECOVERY EXCEPT IN THE NORTHEASTERN PORTION; THERE THE CROPS ARE LATER AND WITH A RAIN WILL MAKE SOME FEED. GRASSHOPPERS AND BLISTER BEETLES ARE MOVING IN FROM THE RANGE TO THE CROP LAND AND TO THE IRRIGATED SECTIONS. IRRIGATED GROWERS ARE ENDEAVORING TO PROTECT CROPS WITH POISON. STOCK IN THE SOUTHERN PORTION OF THE COUNTY ARE BEGINNING TO LOSE WEIGHT, BUT THOSE IN THE NORTHERN PART OF THE COUNTY ARE STILL HOLDING ON. STOCK IS BEING MOVED OUT OF THE RANGE IN THE SOUTH AT THIS TIME. WATER HOLES ARE PRACTICALLY DRIED UP. IN THE NORTHERN PORTION, RANGE AND WATER IS FAIR TO POOR. STOCK IS BEING TURNED OUT INTO SEEDED CROPS TO GET THE LITTLE THAT IS LEFT.

WHEATLAND: EXTREMELY HOT AND DRY DURING THE PAST WEEK. NO MOISTURE. CROPS THROUGH THE COUNTY ARE SHOWING THE EFFECT OF DROUTH, AND HAVE BEEN DAMAGED DURING THE PAST WEEK BY HOT WINDS AND LACK OF MOISTURE. DRYLAND CROPS IN MOST AREAS IN THE COUNTY WILL BE A TOTAL LOSS. CROPS IN JUDITH GAP AND AMERICAN FORK AREAS COULD STILL BE HELPED WITH RAIN. GRASSHOPPERS ARE MOVING IN THE COUNTY AND ARE DOING CONSIDERABLE DAMAGE. GRASSHOPPERS HAVE MOVED INTO THE IRRIGATED BOTTOMS DURING THE PAST WEEK AND ARE DAMAGING ALFALFA. RANGES ARE BURNING IN THE COUNTY AND IN SOME AREAS STOCK WATER IS BECOMING A SERIOUS PROBLEM. MANY OF THE STOCKMEN HAVE MOVED THEIR STOCK INTO THE FOREST RESERVE. STOCK IN THE EAST END OF THE LITTLE BELTS IS FACED WITH A SERIOUS WATER SHORTAGE.

WIBAUX: HOT, DRY WEATHER. NO PRECIPITATION. CHANCES FOR ANY FEED GETTING LESS EVERY DAY. THERE WILL BE NO HARVESTING OF GRAIN IN THE COUNTY. GRASSHOPPERS NUMEROUS IN SPOTS, BUT BECAUSE OF DRY CONDITIONS VERY LITTLE POISONING DONE. SOME CATTLE BEING SHIPPED.

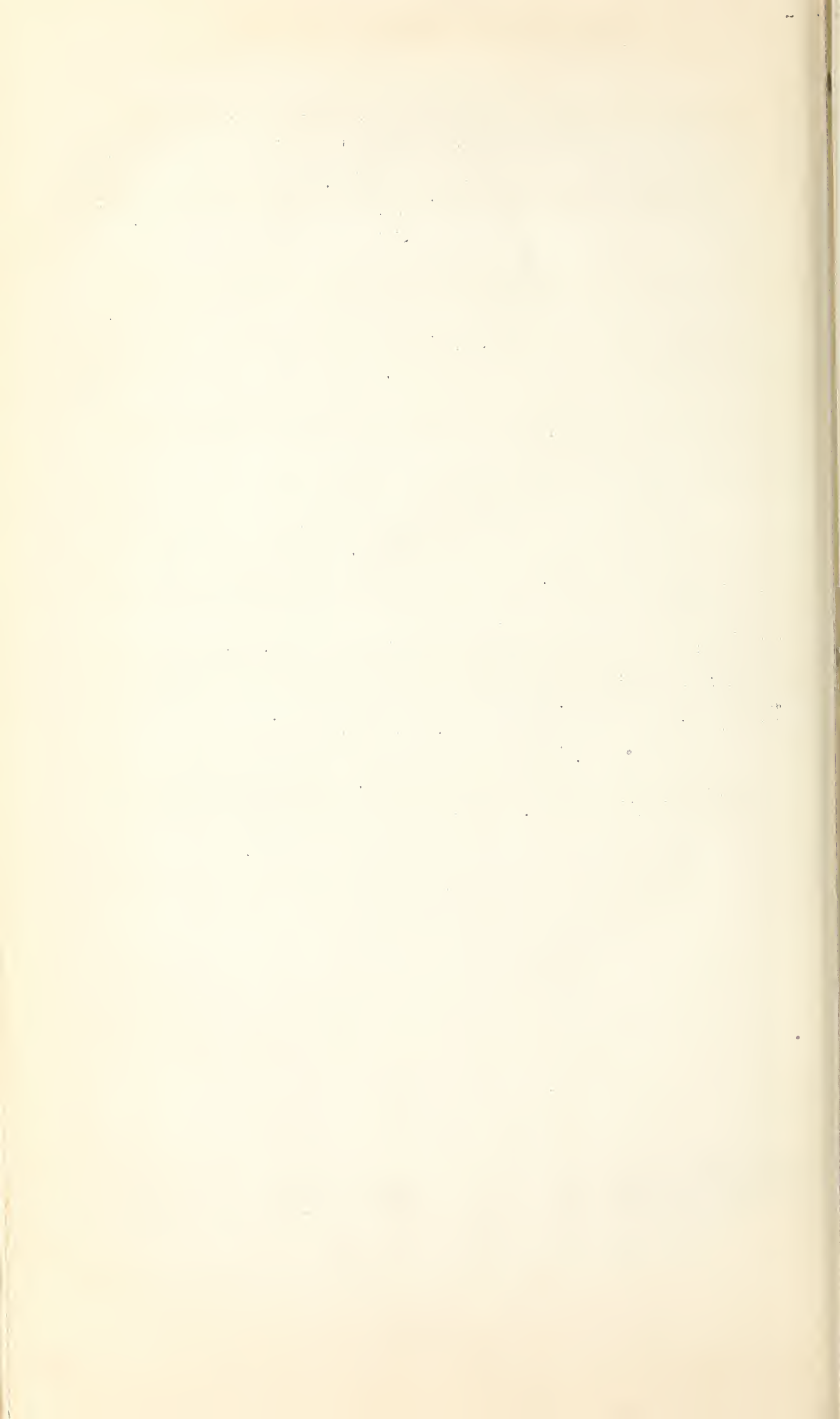
YELLOWSTONE: IN NON-IRRIGATED DISTRICTS, MANY FARMERS CUTTING WINTER WHEAT FOR HAY. VERY LITTLE WHEAT WILL BE HARVESTED, PARTICULARLY ON NORTH SIDE. GOOD RAIN NOW WOULD STILL BENEFIT LATE GRAIN AND MIGHT MAKE POSSIBLE PLANTINGS OF EMERGENCY FEED CROPS. IN SOUTH BENCH COMMUNITIES, THERE IS STILL PROSPECT OF A SMALL YIELD OF WHEAT. IN IRRIGATED DISTRICTS, FARMERS BUSY IRRIGATING, AND MOST CROPS ARE IN FAIR CONDITION. SECOND CROP OF ALFALFA STARTING TO GROW IN MANY DISTRICTS DUE TO EFFECTIVE GRASSHOPPER CONTROL AND IRRIGATION WORK. CONDITIONS OF RANGE BAD IN ALL PARTS OF COUNTY, WITH PROSPECTS FOR WINTER FEED CROP POOR. CONSIDERABLE LIVESTOCK GOING TO MARKET. GRASSHOPPER MIXING PROGRAM STILL GOING STRONG. EXPECT TO CONTINUE MIXING FOR ANOTHER THREE WEEKS OR MORE. FARMERS USING DOUBLE STRENGTH HOPPER BAIT FOR CRICKETS, REPORT EXCELLENT RESULTS.

MILK RIVER PROJECT: THE FIRST CROP OF HAY IS NEARLY HARVESTED, WITH BELOW NORMAL YIELDS. BEETS AND GRAINS ARE NOT RESPONDING TO THE IRRIGATION WATER AS THEY NORMALLY DO. GRASSHOPPERS AND BLISTER BEETLES CONTINUE TO DO CONSIDERABLE DAMAGE, HOWEVER, THE AREAS OF INFESTATION ARE SPOTTED. SOME BEET FIELDS AND GARDENS ARE BEING SERIOUSLY DAMAGED BY THE BEETLES. RANGE LAND SURROUNDING THE MILK RIVER IS PRACTICALLY GONE. MANY OF THE STOCKMEN ARE MOVING THEIR ANIMALS TO THE PASTURES ON THE PROJECT.

GALLATIN: NO PRECIPITATION AND SOME DRYING WIND. SPRING GRAIN HEADING OUT AND IN MANY PLACES GRAIN HAS STARTED TO BURN DUE TO LACK OF MOISTURE. PRACTICALLY ALL HAY CUT, AND STACKED. ONLY A FEW DITCHES OF VERY EARLY WATER RIGHTS NOW CARRYING WATER. PASTURE IS DRYING OUT RAPIDLY. SOME HAY HAS BEEN CALED FROM THE WIND ROWS AND SOLD TO THE EASTERN PART OF THE STATE. GRASSHOPPER POISONING CONTINUES ON AN INCREASED SCALE. FIVE CARS OF FAT LAMBS SHIPPED.

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HELENA, MONTANA,  
JULY 8, 1936.



REPORT OF WEATHER AND CROP CONDITIONS IN MONTANA  
For the Week Ending Tuesday, July 14, 1936.

Issued jointly by the Division of Crop and Livestock Estimates and the Weather Bureau.  
Offices: Fourth Floor, Federal Office Building, Helena, Montana.

THE FIRST PART OF THE WEEK WAS HOT AND DRY, EXCEPT FOR A FEW SHOWERS WHICH WERE MOSTLY TOO LIGHT OR SCATTERED TO MATERIALLY BENEFIT ANY PARTICULAR AREA. THE LAST PART WAS MUCH COOLER WITH GOOD RAINFALL OCCURRING OVER THE NORTHWEST, AND THROUGHOUT THE EASTERN THIRD OF THE STATE, WHERE DROUTH CONDITIONS HAVE BEEN MOST SEVERE.

WHILE THE RAINS CAME TOO LATE TO SAVE THE DRYLAND GRAIN CROP IN THE EASTERN PART OF THE STATE, THEIR OCCURRENCE DURING THE PAST WEEK MAY STILL MAKE POSSIBLE A YIELD OF GRAIN HAY OR EVEN SOME RETURN OF SEED FROM SOME OF THE FEW SURVIVING FIELDS. THE RAIN IN THE EAST BENEFITED CORN, ALFALFA, BEETS, BEANS, AND IRRIGATED CROPS IN GENERAL, ALTHOUGH GREATEST BENEFIT WAS IN CONNECTION WITH POSSIBLE IMPROVEMENT OF PASTURAGE CONDITIONS AND IN RELIEVING A SERIOUS WATER SHORTAGE WHICH IN MANY DISTRICTS ALONE WAS RESPONSIBLE FOR MOST DISTRESS OF LIVESTOCK. HEAT EARLY IN THE WEEK INJURED SPRING WHEAT WEST OF THE DIVIDE; OTHERWISE, GROWING CONDITIONS IN THAT SECTION CONTINUED MOSTLY FAVORABLE BUT IN NEED OF RAIN. IN THE CENTRAL PORTION OF THE STATE, COOLER WEATHER SLOWED UP DETERIORATION OF CROPS AND RANGES TO SOME EXTENT, BUT CONTINUED LACK OF RAIN INTENSIFIED DROUTH CONDITIONS AND INCREASED THE AMOUNT OF CROP FAILURE AND SUFFERING OF LIVESTOCK.

HARVESTING OF WINTER WHEAT STARTED IN CERTAIN DISTRICTS, BUT YIELDS WERE LIGHT BECAUSE OF DAMAGE FROM DROUTH, GRASSHOPPERS, AND WINTER-KILLING. IN GALLATIN VALLEY AND SOME OTHER DISTRICTS EAST OF THE DIVIDE, WINTER WHEAT HAS BEEN FORCED TO RIPEN TOO FAST; IN THE FLATHEAD VALLEY, IT IS REPORTED IN GOOD CONDITION. SPRING WHEAT HAS MOSTLY HEADED OUT, BUT NEEDS RAIN TO FILL WELL. BARLEY IS TURNING. IRRIGATION CROPS ARE REPORTED LITTLE CHANGED FROM LAST WEEK, EXCEPT THAT ADDITIONAL GRAIN CROPS WERE CUT FOR HAY TO AVOID ENTIRE LOSS FROM GRASSHOPPERS. BEETS CONTINUED TO MAKE GOOD PROGRESS IN THE WEST; SOME STANDS WERE SPOTTED, THIN, AND POOR IN THE EAST. BEANS ARE BLOSSOMING. HARVESTING OF CANNING PEAS IS UNDER WAY IN THE GALLATIN VALLEY; SEED PEAS HAVE FINISHED BLOSSOMING, AND EARLY FIELDS HAVE BEGUN TO MATURE. POTATOES ARE MOSTLY GOOD. HAYING CONTINUED, ALTHOUGH THERE WAS SOME INTERRUPTION FROM SHOWERS AND SOME DAMAGE TO HAY ON THE GROUND. WHILE THE CROP HAS BEEN LIGHT OVER THE EASTERN TWO-THIRDS OF THE STATE, IT IS REPORTED THE BEST IN MANY YEARS IN THE BIG HOLE BASIN IN THE EXTREME SOUTHWESTERN PART OF THE STATE.

INSECT DAMAGE LESSENED IN SOME DISTRICTS, AND INCREASED IN OTHERS, AS Hordes OF GRASSHOPPERS TOOK TO WING FROM THE HEAVILY INFESTED AREAS. DAMAGE FROM GRASSHOPPERS IN THE WEST HAS SO FAR BEEN MOSTLY NEGLIGIBLE. WEB-WORM DAMAGE HAS ABOUT CEASED. A LITTLE DAMAGE TO GRAIN AND PEAS WAS DONE BY HAIL IN THE BEAVERHEAD AREA.

HEAVY MOVEMENT OF LIVESTOCK CONTINUED FROM THE DROUTH AREAS, ALTHOUGH GOOD RAINS IN THE EASTERN HALF OF THE DROUTH SECTION LESSENED THE NEED FOR MOVEMENT TO SOME EXTENT. SOME STOCKMEN HAVE MANAGED TO HOLD ON TO THEIR STUFF A LITTLE LONGER BY USING WINTER FEED, OR CONVERTING ABANDONED GRAIN FIELDS TO PASTURAGE. MOST OF THE LIVESTOCK THAT HAVE BEEN HELD ON THE RANGE ARE STILL IN FAIR TO GOOD CONDITION DESPITE THE POOR CONDITION OF THE RANGE THROUGHOUT THE DROUTH SECTIONS. PROMPT MOVEMENT HAS SO FAR PREVENTED ANY KNOWN CASES OF ACTUAL STARVATION. IN THE WESTERN THIRD OF THE STATE, AND IN THE HIGHER RANGES AND FOREST RESERVES OF THE CENTRAL SECTION, LIVESTOCK ARE GENERALLY IN GOOD TO EXCELLENT CONDITION. LOWER RANGES ARE GENERALLY DRIED UP, BUT HIGHER RANGES ARE STILL GROWING.

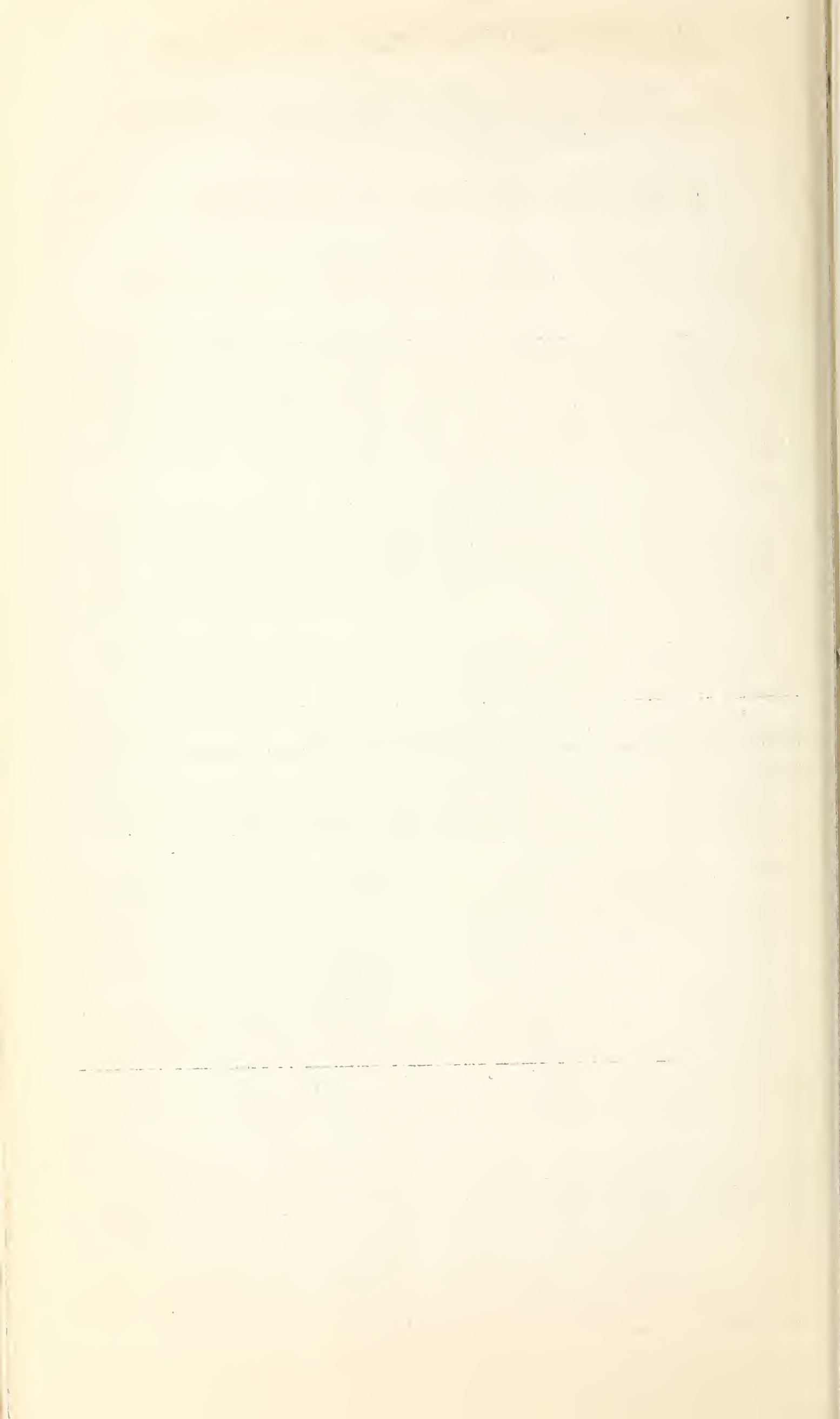
WEEKLY TEMPERATURE AND PRECIPITATION DATA

STATION:	TEMPERATURE		TOTAL PRECIPITATION		PERCENT OF POSSIBLE SUNSHINE.
	HIGHEST	LOWEST	THIS WEEK.	SINCE APR. 1.	
BILLINGS .....	97	56	0.75	4.41	*
BOZEMAN .....	87	48	0.04	4.43	*
CUT BANK .....	89	42	0.46	3.84	*
GLASGOW .....	103	50	0.20	3.51	*
GLENDIVE .....	109	56	2.05	4.62	*
GREAT FALLS .....	94	47	0.09	4.13	*
HAVRE .....	98	54	0.04	2.49	78
HELENA .....	88	49	0.25	4.43	66
KALISPELL .....	88	42	0.42	3.90	74
LEWISTOWN .....	89	48	0.47	5.90	*
MALTA .....	98	50	0.46	2.70	*
MILES CITY .....	102	58	0.94	2.44	78
MISSOULA .....	90	48	0.47	4.58	64
POPLAR .....	104	57	1.34	3.26	*

\*NO DATA.

W. E. MAUGHAN, WEATHER BUREAU.

JAY G. DIAMOND, DIVISION OF CROP AND LIVESTOCK  
ESTIMATES.





THE FOLLOWING COUNTY SUMMARIES OF CROP CONDITIONS FOR WEEK ENDING JULY 11, 1936, ARE FURNISHED THROUGH THE COURTESY OF DIRECTOR J. C. TAYLOR, MONTANA STATE EXTENSION SERVICE.

**BEAVERHEAD:** FEW SHOWERS, CONFINED MOSTLY TO BEAVERHEAD VALLEY. SOME HAIL DAMAGE IN BEAVERHEAD VALLEY TO PEAS AND GRAIN. WEATHER A LITTLE COOLER. WATER AVAILABLE FROM LIMA DAM. FIRST CROP OF ALFALFA ABOUT THE SAME AS LAST YEAR. PEA CROP GOOD. WEB-WORMS ABOUT THROUGH, WITH VERY SMALL LOSS ON GARDENS AND PEAS. CROP AREAS HAVE BEEN PRETTY WELL PROTECTED FROM HOPPERS BY POISONING.

**BIG HORN:** EXTREMELY HOT AND DRY WEATHER AND POOR GROWING CONDITIONS PREVAILED DURING THE WEEK. NON-IRRIGATED CROPS GONE AND VALLEY CROPS FAIR. BEETS MAKING GOOD PROGRESS. DAMAGE DONE BY GRASSHOPPERS AND CRICKETS ABATING, BUT POISONING STILL GOING ON. LIVESTOCK FAIR IN SPITE OF POOR RANGE. MANY BEING SHIPPED BY TRAIN AND TRUCK TO MARKET.

**BLAINE:** NO PRECIPITATION. CONTINUED HOT AND DRY WEATHER. DRYLAND CROPS ARE COMPLETE FAILURES. LIVESTOCK AND RANGE IN PRACTICALLY THE SAME CONDITION AS LAST WEEK. MORE STOCK IS BEING SHIPPED FROM THE SOUTH SIDE OF THE BEAR PAW MOUNTAINS.

**CARBON:** NO PRECIPITATION DURING THE WEEK. VERY HOT AND DRY IN THE FROMBERG-BRIDGER AREA. HOPPER POISONING CAMPAIGN CONTINUES UNABATED. HOPPERS ARE FLYING AND MANY CROPS ARE NOW BEING DAMAGED WHICH HAVE NOT BEEN BOTHERED TO A GREAT EXTENT BEFORE. A CONSIDERABLE ACREAGE OF GRAIN CUT FOR HAY. ALL HAYING COMPLETED IN THE JOLIET, FROMBERG, AND BRIDGER AREA. HAYING IN FULL SWING IN THE SOUTHWESTERN PART OF THE COUNTY. HARVESTING STARTED IN A FEW EARLY WINTER WHEAT FIELDS WHICH ESCAPED INJURY. A GREAT DEAL OF LIVESTOCK HAS BEEN MOVED OUT OF THE COUNTY DURING THE WEEK, BOTH THROUGH BUYERS AND THROUGH TRUCKING BY OWNERS TO BILLINGS. IT IS BELIEVED THAT AT LEAST 60% OF THE CATTLE WILL BE MOVED TO MARKET. LITTLE OR NO HAY WILL BE AVAILABLE WITHIN THE COUNTY THIS SEASON AND PRICES OF \$15 IN THE NORTH PART OF THE COUNTY ARE REPORTED, WITH SOME \$10 PRICES IN THE SOUTHERN PART.

**CHOUTEAU:** DRY AND SULTRY DURING THE WEEK. ALL CROPS ARE PRACTICALLY A FAILURE. GRASSHOPPERS AND MORMON CRICKETS ARE PRESENT IN LARGE NUMBERS BUT DUE TO THE FACT THAT DROUTH HAS ALREADY DESTROYED THE CROPS, DAMAGE FROM THESE INSECTS IS NOT NOTICEABLE. LIVESTOCK SITUATION IS VERY SERIOUS DUE TO THE LACK OF SUMMER AND FALL PASTURE AND WINTER FEED SUPPLIES. HAY CROPS ARE LESS THAN 10% NORMAL WITH THE FARMERS MAKING EVERY EFFORT TO SECURE SOME FEED FROM THE BURNED CROPS. A HEAVY SHIPMENT OF LIVESTOCK HAS ALREADY BEEN MADE WITH THE PRICES FAR BELOW THE COST OF PRODUCTION. AT BEST, WITH EVERY POSSIBLE METHOD OF SECURING FEED FROM GOVERNMENT ASSISTANCE IF SUCH WILL BE FORTHCOMING, NOT MORE THAN 10% OF THE LIVESTOCK WILL BE WINTERED IN THE COUNTY. POSSIBLY 800 FARMERS WILL BE SERIOUSLY SHORT OF WINTER FEED.

**CUSTER - POWDER RIVER:** INTENSE HEAT AND DRY WEATHER HAS RUINED ALL DRY LAND CROPS AND GRASS FOR THIS YEAR. NO CROPS TO HARVEST EXCEPT THOSE ON IRRIGATED LAND. DRY LAND CROPS FAILED TO MAKE FEED OR PASTURE. TOO DRY FOR THISTLES TO GROW. CROPS UNDER IRRIGATION LOOK GOOD ALTHOUGH A FEW GRAIN FIELDS ARE BEING CUT FOR FEED TO SAVE THEM FROM GRASSHOPPERS. BEETS DOING WELL WHERE THEY WERE PROTECTED FROM BEETLE AND WEB-WORM DAMAGE EARLIER IN THE SEASON. GRASSHOPPER POISON BEING DISTRIBUTED ONLY ON THE IRRIGATED PROJECTS. CATTLE MOVING OUT IN CONSIDERABLE NUMBERS WITH STOCKMEN SELLING RATHER THAN GOING TO PASTURE. WATER IS GETTING SCARCE. SHEEP OUTFITS ARE BEGINNING TO MOVE, BUT CHANCES ARE BETTER TO STAY THAN FOR CATTLE.

**DANIELS:** LIGHT TO MEDIUM RAINS IN NORTHERN HALF OF COUNTY EARLY PART OF WEEK WERE A HELP TO CROPS AND GRASS BUT SUBSEQUENT HOT SCORCHING WINDS MINIMIZED BENEFITS. HOT DRY WINDS TAKING CROP FAST. RAINS ON MONDAY AND TUESDAY SOME HELP TO NORTHERN PART OF COUNTY. SOME GRASSHOPPER DAMAGE REPORTED. MANY TURNING STOCK IN ON GRAIN FIELDS. SOME CATTLE WERE SHIPPED OUT DURING WEEK. W.P.A. EXPECTED TO RELIEVE SITUATION. NEARLY 80% OF FARM FAMILIES WILL NEED WORK OR RELIEF.

**DAWSON:** PRODUCERS GENERALLY ATTEMPTING TO GET AVAILABLE FEED FROM GRAIN CROPS, AS THE WEEK MARKED FINAL HOPE OF HARVEST. RESULTS VARY WITH LOCALITIES, BUT OWING TO THIN STANDS, THE AMOUNTS BEING SECURED ARE SMALL AND NOT SUFFICIENT TO MAINTAIN LIVESTOCK. SCATTERED FIELDS OF CORN ARE HOLDING UP AND MIGHT STILL FURNISH ADDITIONAL FEED. SOME SHIPMENTS HAVE BEEN MADE DURING THE PAST WEEK, BUT NO GENERAL MOVEMENT IS ANTICIPATED FOR THE IMMEDIATE FUTURE. GROWERS ARE ATTEMPTING TO MAKE PLANS FOR WINTERING STOCK. A CONSIDERABLE NUMBER OF HERDS WILL REQUIRE ADDITIONAL FEED AT THE CLOSE OF GRAZING. LARGE NUMBERS OF STOCK ARE NOW IN GRAIN FIELDS. HOPPERS ARE MOVING RAPIDLY AND DAMAGING BOTH GRASS AND THE SCATTERED CROPS.

**FALLON - CARTER:** DRYING WINDS AND HIGH TEMPERATURES PREVAILED THROUGHOUT WEEK. ALL GRAIN CROPS ABANDONED. SOME GRAIN CUT FOR HAY. GRASSHOPPERS IN HUGE NUMBERS THROUGHOUT BOTH COUNTIES. LIVESTOCK MOVING OUT RAPIDLY. ESTIMATE 50% OF STOCK WILL BE MOVED OUT OF CARTER COUNTY WITHIN THE NEXT TWO WEEKS. THE REST WILL FOLLOW UNLESS CONDITIONS CHANGE MATERIALLY. SHEEPMEN IN WORSE SHAPE THAN CATTLEMEN. 7000 EWES AND LAMBS HAVE BEEN SOLD AND ARE ON THE ROAD TO DELIVERY POINT. MOST SHEEPMEN NOT ABLE TO GROW OUT LAMBS EVEN THOUGH THEY HAVE BEEN CONTRACTED ARE SELLING EWES AND LAMBS WHENEVER AND WHEREVER THEY CAN AT THE BEST POSSIBLE PRICE. MUCH OF THE RANGE LAND COMPLETELY GONE. EVERY FARMER AND STOCKMAN IN NEED OF AND LOOKING FOR WORK.

**FERGUS:** CROP IN EAST PART OF COUNTY GONE. CROP IN WEST PART OF COUNTY MUCH MORE SERIOUSLY DAMAGED THAN ANTICIPATED. MUCH OF THE GRAIN WHICH HAS MADE SUFFICIENT GROWTH FOR HAY IS BEING CUT NOW. ONE INCH OF RAIN, COVERING AN AREA OF ABOUT A 20-MILE RADIUS, REPORTED FOR LEWISTOWN, CAME TOO LATE TO HELP THE CROP MATERIALLY. THIS RAIN ONLY SLIGHTLY BENEFITTED RANGE. OTHER PARTS OF THE COUNTY HIT IN SPOTS BY LIGHT SHOWERS. HAY AND STRAW FOR LIVESTOCK FEED WILL NOT BE OVER 10% OF LAST YEAR'S SUPPLY.

53 CARS OF CATTLE WENT OUT LAST WEEK. 40 CARS CATTLE WENT OUT THIS WEEK. SHIPMENT WILL BE VERY HEAVY THIS COMING WEEK. MANY HERDS CAN BE KEPT ON RANGES. WINTER FEED HAS BEEN USED TO HOLD THIS LONG. SOME STOCKMEN HAVE ALREADY SOLD THEIR CATTLE; OTHERS WILL SHIP OUT COMPLETELY THIS WEEK. TWO DAIRY OUTFITS SOLD OUT COMPLETELY AT SACRIFICE PRICES, ONE A PURE BRED HERD. LAST WEEK'S ESTIMATE OF 75 - 85% STOCK MOVEMENT FROM COUNTY MAY BE TOO LOW IN VIEW OF SHRINKAGE OF WINTER AND SPRING WHEAT STRAW SUPPLIES.

(CONTINUED ON PAGE 2.)





FLATHEAD: GENERAL GROWING CONDITIONS ARE GOOD. WEATHER HAS BEEN WARM THIS PAST WEEK WITH A FEW LOCAL THUNDER SHOWERS. WINTER WHEAT IS GOOD. SOME SPRING WHEAT HAS BEEN INJURED BY HOT WEATHER. LATE SEEDED WHEAT IS QUITE GOOD. SPRING WHEAT IS HEADED OUT. WINTER WHEAT TURNING RAPIDLY. BARLEY FIELDS BEGINNING TO YELLOW UP, SHOWING SIGNS OF MATURITY. HAY CROPS ABOUT NORMAL. POTATOES LOOKING GOOD. SOME AREAS STILL HAVE ABUNDANT MOISTURE IN THE SOIL. EARLY PEA FIELDS MATURING AND MAJORITY OF PEA FIELDS ARE PAST BLOOMING. LIVESTOCK IN EXCELLENT CONDITION.

GALLATIN: SLIGHT PRECIPITATION IN EXTREME WEST PART OF COUNTY. SOMEWHAT COOLER THAN PREVIOUS WEEK. WINTER GRAIN RIPENING TOO FAST BECAUSE OF DRY CONDITIONS. SPRING GRAIN IN DRY LAND AREAS SHOWING DISTINCT BURNING. CANNING PEA HARVEST UNDER WAY. IRRIGATED PASTURES SHOWING EFFECTS OF LACK OF IRRIGATION WATER. ONLY DITCHES WITH THE VERY EARLIEST RIGHTS IN LOWER PART OF VALLEY NOW HAVE WATER. HAY BEING BALED FROM NEWLY MADE STACKS, AND TRUCKED OUT TO EASTERN PART OF STATE.

GARFIELD - PETROLEUM: FEW SCATTERED LIGHT SHOWERS AND COOLER DURING THE WEEK. PRECIPITATION TOO LIGHT TO BE OF ANY PARTICULAR BENEFIT. PRECIPITATION RECORDED IN JORDAN APRIL 1 TO JUNE 1 WAS 1.47 INCHES. MOST OF THIS AMOUNT CAME IN ONE SHOWER OF APPROXIMATELY 1 INCH ON THE FIRST OF MAY. HARVESTING FOR HAY OF A FEW GRAIN CROPS WITH ENOUGH GROWTH TO PERMIT CUTTING HAS BEEN PRACTICALLY COMPLETED. ON FLOOD IRRIGATED AREAS AND LOW LANDS, WHERE SOME GROWTH WAS POSSIBLE, CROPS HAVE BEEN HARVESTED FOR HAY IN THE BLOSSOM STAGE TO SAVE THEM FROM GRASSHOPPERS. THE CONDITION OF LIVESTOCK IN MOST LOCALITIES IS FAIR TO GOOD. CONSIDERABLE LIVESTOCK IS BEING MOVED THROUGH VARIOUS CHANNELS, PRINCIPALLY BECAUSE OF THE SHORTAGE OF WATER. SHORTAGE OF FEED BECOMING APPARENT IN EVERY LOCALITY, MAKING NECESSARY REMOVAL OF A LARGE PERCENTAGE OF LIVESTOCK WITHIN THE COUNTIES.

GLACIER: CROPS AND RANGE DEPRECIATED FROM THE HOT AND DRY WEATHER DURING THE WEEK. LIGHT SHOWERS FRIDAY NIGHT. SOME WHEAT ON SUMMERFALLOW ALONG CANADIAN BORDER AND FOOTHILLS MAY YIELD 10 BUSHELS PER ACRE, BUT SOUTHERN PART OF COUNTY WILL HARDLY RETURN SEED. LARGE ACREAGE ABANDONED AND LIVESTOCK TURNED IN. RANGE VERY DRY EXCEPT IN FOOTHILLS REGION. WILD HAY CROP LESS THAN HALF OF NORMAL. SOME SURPLUS RANGE FOR SALE LAST WEEK, BUT VERY LITTLE NOW AVAILABLE. RANGE WILL CARRY LIVESTOCK FOR SOME TIME, BUT WILL BE NECESSARY TO MOVE MORE THAN NORMAL TO MARKET. LIVESTOCK IN FAIR SEASONAL CONDITION.

HILL: THE WEEK OF CONTINUED HOT, DRY WEATHER HAS MADE THE SITUATION AS FAR AS CROPS AND RANGES ARE CONCERNED MORE ACUTE. A SPRINKLE OF RAIN FRIDAY EVENING, WITH COOL, CLOUDY WEATHER SATURDAY MORNING, IS THE FIRST RELIEF FROM EXTREME HIGH TEMPERATURES FOR A LONG TIME. THE GRASSHOPPERS ARE MOVING INTO ALL SECTIONS OF THE COUNTY IN THE RANGE AREAS. MOVEMENT OF LIVESTOCK TO MARKET CONTINUING, WITH NUMEROUS REQUESTS FOR INFORMATION AS TO WHERE LIVESTOCK MAY BE MOVED FOR RANGE AND POSSIBLE WINTER FEEDING. LIVESTOCK JUST HOLDING THEIR OWN.

JUDITH BASIN: SLIGHT AMOUNT OF PRECIPITATION. CLOUDY, HOT, AND SULTRY. GROWING CONDITIONS VERY POOR. ALL OF THE GRAIN IS BURNING BADLY. MOST OF THE CROPS WILL NOT BE HARVESTED EXCEPT FOR HAY OR PASTURE. ALL OF THE HAY CROPS IS IN THE STACK. HAY HAS YIELDED ABOUT 50% OF NORMAL. RANGE IS VERY SHORT. 7 CARS OF CATTLE SHIPPED OUT OF STANFORD JULY 9TH. OTHER SHIPMENTS EXPECTED IN THE NEAR FUTURE. BREEDING COWS WILL BE REDUCED TO APPROXIMATELY 40% OF NORMAL. BREEDING EWES WILL BE REDUCED VERY SLIGHTLY. SURPLUS OF LABOR. MANY FARMERS WILL BE LOOKING FOR WORK IN A SHORT TIME. INSECT DAMAGE INCREASING. GRASSHOPPERS HAVE FLOWN IN FROM OTHER AREAS AND ARE NOW WORKING IN PLACES WHERE VERY FEW HATCHED OUT.

LAKE: THE WEATHER WAS NOT EXTREME IN ANY PARTICULAR PLACE THIS WEEK. SKIES WERE OVERCAST PART OF THE TIME AND A FEW LIGHT SHOWERS FELL WITH HEAVY WIND BLOWING. FALL GRAIN IS TURNING COLOR AND ALTHOUGH IT WILL VARY A GOOD DEAL IN YIELD, IT IS NOT NEAR UP TO NORMAL. SPRING WHEAT WILL PRODUCE ABOUT NORMAL YIELDS. PEAS CONTINUE TO LOOK GOOD, WITH A POSSIBLE SMALL APHIS DAMAGE. BEETS IN ONE LOCALITY ARE AFFECTED WITH WEB-WORMS AND THERE IS A POSSIBILITY THAT THESE INSECTS MAY BE A FACTOR IN SOME OTHER COMMUNITIES. LIVESTOCK AND PASTURE NORMAL.

LEWIS & CLARK - BROADWATER: WINTER WHEAT ESTIMATED YIELD FOR BETTER AREA OF COUNTY 12-15 BUSHELS. SPRING WHEAT AVERAGE YIELDS PROBABLY WILL BE RATHER LOW BECAUSE OF LATE SEEDINGS, LACK OF MOISTURE, AND HOPPERS. SOME RYE AND WHEAT BEING CUT FOR HAY. FIRST CUTTING OF ALFALFA AVERAGE OR SLIGHTLY BELOW IN LEWIS & CLARK AND AVERAGE IN BROADWATER. PASTURES LACKING MOISTURE IN MANY SECTIONS AND SOME HOPPER DAMAGE. LEWIS & CLARK FEED SUPPLIES WILL NOT ANY MORE THAN MEET DEMAND AND SOME ALFALFA MAY HAVE TO BE BROUGHT IN. BROADWATER COUNTY WILL LIKELY HAVE A SMALL PASTURE AND HAY SURPLUS DEPENDING ON WEATHER CONDITIONS. WEB-WORM DAMAGE HAS PRACTICALLY STOPPED.

MISSOULA: THREE GOOD SHOWERS DURING WEEK. GOOD GROWING CONDITIONS. RAIN WILL BENEFIT SPRING GRAINS AND SECOND CROP ALFALFA. IT DID SOME DAMAGE TO LATE HAY WHICH WAS CUT. WILL ALSO HELP MAINTAIN FLOW OF IRRIGATION WATER. SPRING GRAIN SHOWING SOME DAMAGE FROM HEAT. DRY LAND SPRING GRAIN FILLING. FAIR YIELDS INDICATED. WINTER WHEAT RIPENING. FIRST CROP ALFALFA COMPLETED; SECOND CROP GROWING WELL; GOOD YIELDS. SUGAR BEETS MAKING GOOD GROWTH. SOME SEED PEAS NEARLY READY TO CUT. POTATOES MAKING GOOD GROWTH. UPPER RANGES IN GOOD CONDITION; LOWER RANGES DRIED UP. LIVESTOCK IN GOOD CONDITION.

GOLDEN VALLEY - MUSSELSHELL: NO PRECIPITATION; GROWING CONDITIONS POOR; HOT WINDS MOST OF WEEK. VERY HOT WEATHER. CROP CONDITIONS POOR. RANGE AND WATER SHORTAGE CAUSING ABNORMAL SHIPMENT OF LIVESTOCK.

PARK: LIGHT LOCAL SHOWERS WERE RECEIVED IN VARIOUS PARTS OF THE COUNTY DURING THE WEEK, HOWEVER, MOISTURE INSUFFICIENT TO DO MUCH GOOD. SOME CROP DAMAGE THE PAST WEEK DUE TO DRY WEATHER AND HOT WINDS. A LARGE PART OF THE FIRST CUTTING OF HAY IS IN THE STACK AND YIELDS ARE FAR BELOW WHAT WAS EXPECTED. THE PRESENT INDICATION IS THAT WE HAVE ABOUT 75% OF A NORMAL FIRST CUTTING OF HAY. GRAIN AT PRESENT LOOKS ABOUT 35% NORMAL. IN MOST INSTANCES, RANGE IS IN FAIR CONDITION AND LIVESTOCK ARE LIKEWISE IN NORMAL CONDITION. VERY SHORT OF SUITABLE LABOR.





**PHILLIPS:** LIGHT SHOWERS IN VARIOUS PARTS OF THE COUNTY THIS WEEK DID LITTLE GOOD. HIGH TEMPERATURE STILL PREVAILS AS DROUTH CONDITION CONTINUES TO GET WORSE. GROWING CONDITIONS VERY POOR. NO DRY LAND CROPS REMAIN FOR HARVEST. SOME CROPS MAY BE SALVAGED FOR FEED IF IT RAINS. A FEW CORN FIELDS MIGHT REVIVE ALSO AND MAKE FEED. FIRST CROP OF ALFALFA IN STACK BUT LIGHTER THAN LAST YEAR. OTHER IRRIGATED CROPS LOOKING FAIR. WILL PROBABLY AVERAGE 50 TO 60 PER CENT CROP. BLUEJOINT HAY CROP LIGHT. GRASSHOPPERS MOVING INTO THE IRRIGATED SECTION AND DOING DAMAGE. MOST OF RANGE IS NOW STRIPPED. FIRST SERIOUS INFESTATION OF GREEN BUGS APPEARED IN THE VALLEY AND ALSO ON THE SOUTH BENCH. BLISTER BEETLES HAVE DAMAGED SUGAR BEET CROP BUT NOT SERIOUSLY. THERE WILL BE PRACTICALLY NO ALFALFA SEED CROP DUE MOSTLY TO HOPPER DAMAGE. CONDITION GETTING WORSE DAILY WITH CATTLE AND LIVESTOCK. PRACTICALLY NO GRASS AND WATER IS BECOMING A REAL PROBLEM. MOVING CATTLE FROM THE MISSOURI RIVER COUNTRY TO RAILROAD IS GOING TO BE DIFFICULT ON ACCOUNT OF LACK OF FEED AND WATER FOR THE 4 OR 5 DAY DRIVE. STOCKMEN ALREADY SHIPPING, BUT MOST HOLDING BACK. MOVEMENT SHOULD BE ON NOW. FEED MUST BE MADE AVAILABLE FOR MILK COWS AND WORK HORSES AND SOME FOUNDATION STOCK.

**PONDERA:** COOLER. SCATTERED LIGHT SHOWERS THROUGHOUT THE COUNTY. NO FURTHER DETERIORATION OF CROPS DURING THE WEEK, DUE TO COOLER WEATHER AND SCATTERED SHOWERS. DROUTH DAMAGE EXTENSIVE IN 60% OF CROP ACREAGE OF THE COUNTY. THE REMAINING 40% ON GOOD SUMMERFALLOW MAY MAKE A FAIR CROP IF GROWING CONDITIONS REMAIN FAVORABLE UP TO HARVEST. THIS IS EXCLUSIVE OF THE IRRIGATED SECTIONS WHERE YIELDS WILL BE ABOUT 70% OF NORMAL. FEED CROPS IN IRRIGATED SECTIONS ARE IN FAIR SHAPE. FIRST CUTTING OF ALFALFA WAS ABOUT A NORMAL CROP, BUT SECOND CROP WILL BE SHORT UNLESS GRASSHOPPERS CAN BE CONTROLLED. NOT MUCH MOVEMENT OF LIVESTOCK. A FEW OPERATORS LOOKING FOR ADDITIONAL SUMMER RANGE. SOME STOCK HAS BEEN TURNED INTO ABANDONED CROPS.

**PRAIRIE:** TEMPERATURE HAS BEEN 100 DEGREES OR HIGHER EVERY DAY THE PAST WEEK. HOT WINDS HAVE SEARED EVERYTHING. NO PROSPECT OF A CROP IS LEFT. GRASSHOPPERS HAVE BEEN TAKING THE LEAVES OFF THE TREES. LIVESTOCK IS RAPIDLY BEING MOVED OUT OF THE COUNTY, THE MAJORITY TO EASTERN MARKETS. HOPPERS AND INSECT PESTS HAVE TAKEN MOST OF THE DRY RANGE GRASSES. FEED PRICES ARE INCREASING RAPIDLY. UNLESS SOMETHING IS DONE FOR THE LIVESTOCK OPERATOR IMMEDIATELY, THERE WILL BE NO LIVESTOCK LEFT TO SAVE.

**RICHLAND:** NO RAINS TO RELIEVE THE DROUTHY SITUATION. BLISTER BEETLES BEING BROUGHT UNDER CONTROL IN THE IRRIGATED VALLEY DUE TO AN INTENSIVE SPRAYING PROGRAM. SOME DAMAGE TO VEGETABLE CROPS BY SUCKING INSECTS. THE GRASSHOPPERS ARE BECOMING MORE NUMEROUS IN THE IRRIGATED VALLEY AND MORE POISON IS BEING SPREAD. PLANS TO START W.P.A. PROJECT ON WORKING OVER OLD POISON BAIT AND RESACKING. SOME LIVESTOCK HAS MOVED OUT THIS PAST WEEK ALTHOUGH MOST FARMERS HAVE ENOUGH FEED TO KEEP THEIR STOCK THIS SUMMER BUT THE WINTER FEED SUPPLY IS SHORT.

**ROOSEVELT:** A HEAVY RAIN OF CLOUDBURST PROPORTIONS IN THE FROID AND HOMESTEAD AREA AND LIGHTER RAINS IN BREDETTE SECTION; COUNTY OTHERWISE IS DRY. CROPS PRACTICALLY GONE EXCEPT FOR ISOLATED FIELDS. FARMERS CANNOT EXPECT TO HARVEST ENOUGH GRAIN FOR 1937 SEED NEEDS. PASTURE CONDITIONS POOR BUT NO STOCK STARVING. WINTER FEED IS BIGGEST PROBLEM FACING STOCKMEN. NO GREAT MOVEMENT TO MARKET AS YET. WATER SUPPLY DECREASING AND BIG MUDDY AND POPLAR CREEKS LOWEST IN 45 YEARS.

**ROSEBUD:** DRY AND HOT ALL WEEK. LOCAL SHOWERS SATURDAY. SECOND CROP ALFALFA MAKING FAIR START IN SPITE OF SHORTAGE OF WATER AND GRASSHOPPERS. SOME IRRIGATED GRAIN CROPS BEING CUT FOR HAY. CORN AND SUGAR BEETS VERY SPOTTED. LIVESTOCK MOSTLY IN GOOD CONDITION AND HOLDING UP SURPRISINGLY WELL IN SPITE OF HEAT AND SHORTAGE OF FEED AND WATER. STOCKMEN IN GENERAL UNWILLING TO ACCEPT PRICES OFFERED BY BUYERS. DRYLAND FARMERS AND SMALL STOCKMEN LOOKING FOR WORK.

**SANDERS:** MODERATE TEMPERATURES WITH OCCASIONAL SHOWERS. HIGH TEMPERATURE LAST WEEK CAUSED UNUSUAL RIPENING OF WINTER WHEAT. HARVESTING WILL START THIS COMING WEEK WITH PROSPECT FOR FAIR YIELD. SPRING GRAIN CROPS IN GOOD CONDITION BUT NEEDING RAIN. SECOND CUTTING ALFALFA MAKING LITTLE GROWTH ON DRY LAND ACCOUNT OF LACK OF MOISTURE. SEED PEAS VERY GOOD CONDITION. TRUCK AND VEGETABLE CROPS VERY GOOD. LIVESTOCK IN VERY GOOD CONDITION. LOWER RANGE BADLY DRIED OUT. RANGE ON HIGHER ALTITUDE VERY GOOD. SOME SHIPMENTS OF GRASS FAT CATTLE.

**SHERIDAN:** LIGHT RAIN GENERAL OVER MOST OF COUNTY. THIS WILL BE A GREAT HELP TO RELIEVE FEED SITUATION, BUT WILL NOT HELP GRAIN TO ANY GREAT EXTENT. WEATHER HAS BEEN HOT. GRAIN MOSTLY A FAILURE, BUT GOOD SUMMERFALLOW WILL COME THROUGH IN FAIR SHAPE. FEED WILL BE SUFFICIENT FOR 50 TO 75% OF THE BREEDING AND MILK STOCK. THE RECENT RAIN SHOULD BRING PASTURE IN A WEEK OR TEN DAYS, BUT PASTURAGE WILL ONLY BE A TEMPORARY HELP. RAIN MAY INCREASE THE NUMBER OF LIVESTOCK THAT CAN BE WINTERED 10 TO 20%, BUT IT WILL STILL BE NECESSARY TO SHIP FROM 30 - 40% OF THE LIVESTOCK IN THE COUNTY. W.P.A. POISON MIXING PROJECT FOR GRASSHOPPERS WILL CONTINUE FOR TWO WEEKS AT LEAST.

**STILLWATER:** PRACTICALLY ALL DRYLAND CROPS A FAILURE OR BEING CUT FOR HAY. SOME THINNING OUT OF GRASSHOPPERS IN SECTIONS OF COUNTY. WHERE FARMERS HAVE DONE A GOOD JOB OF GRASSHOPPER POISONING, THERE WILL BE A SECOND CUTTING OF ALFALFA. PEAS AND BEANS IN PARK CITY AREA MAKING GOOD GROWTH. CATTLE AND SHEEP RANGE IN CONDITION FROM FAIR TO POOR. SHEEP BEING MOVED OUT FOR PASTURE; CATTLE GOING TO MARKET RATHER THAN OUT FOR PASTURE. CATTLE AND SHEEP FOR SALE IN COUNTY BUT NOT AT SACRIFICE PRICES.

**SWEETGRASS:** ONLY A TRACE OF PRECIPITATION FOR THE PAST WEEK. DRYLAND CROPS NOW HAVE BEEN HARVESTED FOR HAY WITH A VERY LOW TONNAGE. FIRST CUTTING OF HAY ON IRRIGATED GROUND IS NOW COMPLETED, WITH APPROXIMATELY ONE-THIRD OF NORMAL CROP. IRRIGATED GRAINS ARE BEING HARVESTED FOR HAY, AS THE INSECT INFESTATION IS STILL SERIOUS. APPROXIMATELY ONLY 10% OF THE SEEDING GRAIN CROPS ON IRRIGATED LANDS WILL BE HARVESTED FOR GRAIN. AT THIS TIME THERE IS VERY LITTLE INDICATION OF STARTING THE SECOND CUTTING OF ALFALFA HAY. SURPLUS LIVESTOCK IS BEING SHIPPED TO EASTERN MARKETS, TO BILLINGS, AND SOLD TO OUTSIDE BUYERS. EFFORTS ARE BEING MADE TO MAINTAIN THE FOUNDATION HERDS. FEW INSTANCES HAVE BEEN REPORTED OF LIVESTOCK BEING MOVED WESTWARD FOR PASTURE. LIVESTOCK AS A WHOLE IS IN JUST MEDIUM CONDITION. INSECT INFESTATION IS STILL VERY SERIOUS WITH SOME INDICATIONS OF LESSENING IN PARTS.



TETON: APPROXIMATELY 20 INCH PRECIPITATION FOR WEEK, WITH A LITTLE MORE IN SOME PARTS. CROPS HAVE FURTHER DETERIORATED DURING THE WEEK. APPROXIMATELY 60 PER CENT OF COUNTY WILL SCARCELY GET SEED BACK. THERE IS A SMALL AREA, HOWEVER, BETWEEN FARMINGTON AND COLLINS THAT WILL GET SOME CROP PROVIDING HOT WINDS DON'T GET TOO SEVERE. RANGE DRYING UP RAPIDLY. VERY LITTLE GROWTH ON THE RANGE THIS SUMMER. APPROXIMATELY 10 PER CENT OF CATTLE WILL HAVE TO BE MOVED INSIDE OF NEXT TWO WEEKS. DUE TO THE STORAGE OF THE WINTER RANGE, IT LOOKS AS THOUGH THE LIVESTOCK MEN WILL HAVE TO REDUCE ABOUT 50 TO 60 PER CENT OF LIVESTOCK NUMBERS BEFORE WINTER.

TOOLE: CONTINUED HOT AND DRY. CROPS IN LOWER ONE-THIRD OF COUNTY ARE COMPLETELY DRIED OUT AND THE REMAINING PORTIONS ARE IN EXTREMELY POOR CONDITION. MANY WILL BE LUCKY TO GET THEIR SEED BACK IN THIS AREA. LIVESTOCK IN LOWER ONE-THIRD OF COUNTY WILL HAVE TO BE MOVED IN TWO OR THREE WEEKS. NO AVAILABLE RANGE LEFT IN NORTHERN SECTION TO WHICH THESE MEN CAN MOVE, AND CATTLE AND SHEEP ARE PASTURED ON CROPS AT PRESENT. THERE WILL BE SUFFICIENT GRASS IN PARTS OF THE NORTHERN AREA TO HOLD THE STOCK A CONSIDERABLE TIME, BUT FEED RESERVES AND SUPPLIES WILL BE EXTREMELY SHORT.

VALLEY: LOCAL SHOWERS THROUGH THE WESTERN AND NORTHERN PORTION OF THE COUNTY THE LAST TWO DAYS. EXTREMELY HOT THE LAST WEEK WITH LOCAL SHOWERS TENDING TO LOWER THE TEMPERATURES SOME. INDICATIONS ARE THAT FARMERS WILL NOT GET THEIR SEED BACK. A LARGE NUMBER OF FARMERS ARE USING MOWERS WITH ATTACHMENTS TO GATHER WHAT THEY CAN FOR FEED. GRASSHOPPERS HAVE MOVED IN THE PAST WEEK AND ARE TAKING WHAT FEW PARTIALLY GREEN FIELDS THERE ARE, AND ARE THEN MOVING ON INTO THE IRRIGATED SECTIONS. WATER SITUATION IN THE SOUTHERN PART OF THE COUNTY IS SERIOUS. A SMALL NUMBER OF STOCK MOVED LAST WEEK, WITH SHIPMENTS INCREASING THIS WEEK. MOST OF THIS STOCK IS GOING TO THE MARKET, BUT SOME TO PASTURE.

WHEATLAND: CONTINUED HOT AND DRY IN EASTERN AND SOUTHERN PORTION, WITH LIGHT SHOWERS IN THE WESTERN PART. DRYLAND CROPS IN ALL PORTIONS OF THE COUNTY BURNT BADLY DURING THE PAST WEEK. DRY LAND CROPS IN THE EASTERN PART OF THE COUNTY ARE A TOTAL LOSS FROM DROUGHT AND GRASSHOPPERS. WATER IN THE RIVERS AND STREAMS IS BECOMING VERY LOW; THERE WILL BE VERY LITTLE WATER AVAILABLE DURING THE BALANCE OF THE SEASON FOR IRRIGATION. THE SECOND CUTTING OF HAY WILL BE SHORT.

WIBAUX: NO PRECIPITATION. EXTREME HEAT. VERY LITTLE CHANCE FOR ANY FEED. GRASSHOPPERS ARE FLYING IN BY THE MILLIONS. EVEN WITH RAIN IT NOW LOOKS LIKE THE GRASSHOPPERS WILL TAKE EVERYTHING. SOME CATTLE ARE BEING SHIPPED EVERY WEEK. LIVESTOCK IS STILL IN GOOD CONDITION FOR THIS TIME OF THE YEAR.

YELLOWSTONE: EXTREME HEAT FIRST THREE DAYS; COOLER THURSDAY AND SATURDAY; RAINED SATURDAY ALL DAY. WHILE SATURDAY'S RAIN CAME TOO LATE TO HELP GRAIN CROPS, IT WILL AT LEAST TEMPORARILY BENEFIT THE RANGE DISTRICTS, WHERE SUPPLIES OF STOCK WATER ARE LOW, AND WILL ALSO BE OF CONSIDERABLE HELP TO ALFALFA, BEETS, BEANS, AND PASTURES IN IRRIGATED DISTRICTS. IN NON-IRRIGATED DISTRICTS, A GREAT DEAL OF ALL CROPS WHICH WERE NOT KILLED BY THE DROUGHT HAVE ALREADY BEEN CUT FOR HAY OR HARVESTED. THERE ARE A FEW FIELDS OF LATE GRAIN WHICH WILL BE BENEFITTED. THE CHANGE IN WEATHER AND MOISTURE RECEIVED SO FAR WILL GIVE TEMPORARY RELIEF, PARTICULARLY IN DISTRICTS WHERE SUPPLIES OF STOCK WATER AND WATER FOR DOMESTIC USE ARE LOW. MORE RAIN WILL BE NEEDED TO START GROWTH OF GRASS. GRASSHOPPER AND CRICKET POISONING CAMPAIGN STILL UNDER WAY. A SHIPMENT OF TWO CARS OF BRAN WAS RECEIVED THIS WEEK FROM THE FEDERAL GOVERNMENT. COMMENCING MONDAY, A REDUCTION IN THE PRICE OF BAIT WILL BE MADE TO COMPENSATE CONTRIBUTION OF FEDERAL GOVERNMENT.

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HELENA, MONTANA,  
JULY 15, 1936.

